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OF THE

## TWENTY-FIRST LEGISLATURE

OF THE

PROVINCE OF ONTARIO

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SESSION 1944

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1945



# CONTENTS FOR PART III

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## REPORTS

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BIRTHS, MARRIAGES AND DEATHS

DEPARTMENT OF HEALTH

HOSPITALS DIVISION

HOSPITALS AND SANITORIA

PRISONS AND REFORMATORIES

MINISTER OF PUBLIC WELFARE

LIQUOR CONTROL BOARD

MINISTER OF AGRICULTURE

STATISTICS BRANCH (AGRICULTURE)

TEMISKAMING AND NORTHERN ONTARIO RAILWAY





# REPORT

RELATING TO THE REGISTRATION OF

# BIRTHS, MARRIAGES AND DEATHS

IN THE

# PROVINCE OF ONTARIO

FOR THE

YEAR ENDING 31st DECEMBER

# 1943

(SEVENTY-FOURTH ANNUAL REPORT)



PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 13, 1944



ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty

1945



TO HIS HONOUR THE LIEUTENANT-GOVERNOR OF THE PROVINCE OF ONTARIO.

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Seventy-fourth Annual Report of the Registrar-General, relating to the Registration of Births, Marriages and Deaths in the Province of Ontario during the year 1943.

Respectfully submitted,

G. H. DUNBAR,  
*Registrar-General of Ontario.*



SIR:

I have the honour to submit for your approval the Seventy-fourth Annual Report made in conformity with and under the provisions of the Act respecting the Registration of Births, Marriages and Deaths in the Province of Ontario, for the year ending December 31st, 1943.

I have the honour to be, Sir,

Your obedient servant,

F. V. JOHNS,  
*Deputy Registrar-General.*

TO THE HON. G. H. DUNBAR,  
*Registrar-General of Ontario.*



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\*Detailed statistics under this title may be procured from the Registrar-General, if such a request is, in his opinion, sufficiently warranted.

## INTRODUCTION

This report is divided into two parts. Part I consists of an analytical survey of the Vital Statistics of the province in the form of narrative summaries, summary tables and charts. Its objectives are (1) to indicate (in so far as can be portrayed by vital statistics) the general trend over the past several years, in the general state of the health of the people of Ontario; (2) to assess the vital statistics of 1943 in the light of these general trends; and (3) to bring to light certain specific problems in the field of public health, such as infant and maternal mortality and deaths from specific diseases such as cancer and tuberculosis and those resulting from accidental causes. Part II consists of detailed tables covering vital statistics for the year 1943. In the interests of economy several tables are not printed in this report. These are listed in the Table of Contents and the information is available upon request providing that such requests, in the opinion of the Registrar-General, are sufficiently warranted and urgent in the public interest.

## PART I.—COMPARATIVE AND ANALYTICAL SUMMARY

## Population

For reference purposes the estimated population of the province over a period of about two decades is shown by sex in Table A, while a distribution by sex and age-groups of the estimated population of 1943 is provided in Table B.

TABLE A—POPULATION, CENSUSES 1921, 1931 AND 1941 AND ESTIMATED FOR INTERCENSAL YEARS, BY SEX, ONTARIO

Year	Total	Male	Female	Year	Total	Male	Female
1921	2,933,662	1,481,890	1,451,772	1933	3,512,000	1,788,000	1,724,000
1922	2,980,000	1,507,000	1,473,000	1934	3,544,000	1,804,000	1,740,000
1923	3,013,000	1,525,000	1,488,000	1935	3,575,000	1,820,000	1,755,000
1924	3,059,000	1,550,000	1,509,000	1936	3,606,000	1,835,000	1,771,000
1925	3,111,000	1,578,000	1,533,000	1937	3,637,000	1,850,000	1,787,000
1926	3,164,000	1,606,000	1,558,000	1938	3,672,000	1,867,000	1,805,000
1927	3,219,000	1,635,000	1,584,000	1939	3,708,000	1,885,000	1,823,000
1928	3,278,000	1,666,000	1,612,000	1940	3,747,000	1,904,000	1,843,000
1929	3,334,000	1,696,000	1,638,000	1941	3,787,655	1,921,201	1,866,454
1930	3,386,000	1,724,000	1,662,000	1942	3,884,000	1,966,000	1,918,000
1931	3,431,683	1,748,844	1,682,839	1943	3,917,600	1,983,000	1,934,000
1932	3,473,000	1,769,000	1,704,000				

The estimated populations for 1932 to 1940 and 1942 have been revised and the necessary adjustments have been made in the tables showing rates.

TABLE B—ESTIMATED POPULATION OF ONTARIO, BY SEX AND AGE-GROUP, 1943\*

Age-Group	Total	Male	Female	Age-Group	Total	Male	Female
Under 5	332,000	169,000	163,000	50-54	221,000	113,000	108,000
5-9	299,000	152,000	147,000	55-59	192,000	99,000	93,000
10-14	322,000	163,000	159,000	45-59	652,000	335,000	317,000
0-14	953,000	484,000	469,000	60-64	158,000	80,000	78,000
15-19	334,000	169,000	165,000	65-69	123,000	61,000	62,000
20-24	345,000	173,000	172,000	70-74	89,000	43,000	46,000
25-29	322,000	162,000	160,000	60-74	370,000	184,000	186,000
15-29	1,001,000	504,000	497,000	75-79	58,000	27,000	31,000
30-34	302,000	153,000	149,000	80-84	31,000	14,000	17,000
35-39	277,000	143,000	134,000	85-89	12,000	5,000	7,000
40-44	258,000	133,000	125,000	90 and over	3,000	1,000	2,000
30-44	837,000	429,000	408,000	75 and over	104,000	47,000	57,000
45-49	239,000	123,000	116,000	Total	3,917,000	1,983,000	1,934,000

Figures supplied by Social Analysis Branch, Dominion Bureau of Statistics.

\*These estimates do not take into account interprovincial migration, figures for which are not available for intercensal years.

The rural and urban distribution of the 1943 estimated population was as follows:—

Population Group	Estimated Population	Per cent
Incorporated centres *10,000 population and over.....	1,805,906	46.1
Incorporated centres *5,000 to 10,000 population.....	226,141	5.8
Incorporated centres *1,000 to 5,000 population.....	301,955	7.7
Rural Population (including incorporated centres under 1,000*).....	1,582,998	40.4

\*As at Census of 1941.

### Natural Increase

The natural increase in the population and the computed rates for the period 1922 to 1943 are shown in Table C.

TABLE C—NATURAL INCREASE AND NATURAL INCREASE RATES, ONTARIO, 1922-1943

Year	Live Births	Deaths	Excess of Births over Deaths	Natural Increase Rate per 1,000 Population
1922.....	71,430	34,034	37,396	12.5
1923.....	70,056	35,636	34,420	11.4
1924.....	71,510	33,078	38,432	12.6
1925.....	70,122	33,960	36,162	11.6
1926.....	67,617	35,909	31,708	10.0
1927.....	67,671	34,775	32,896	10.2
1928.....	68,510	37,128	31,382	9.6
1929.....	68,458	38,123	30,335	9.1
1930.....	71,263	37,313	33,950	10.0
1931.....	69,209	35,705	33,504	9.8
1932.....	66,842	36,469	30,373	8.7
1933.....	63,646	35,301	28,345	8.0
1934.....	62,234	35,119	27,115	7.7
1935.....	63,069	36,317	26,752	7.4
1936.....	62,451	37,571	24,880	6.9
1937.....	61,645	38,475	23,170	6.3
1938.....	65,564	36,890	28,674	7.9
1939.....	64,123	37,530	26,593	7.2
1940.....	68,524	38,503	30,021	8.0
1941.....	72,262	39,226	33,036	8.7
1942.....	78,192	39,119	39,073	10.0
1943.....	81,173	41,063	40,110	10.2

The natural increase rate has shown a general downward trend during the past two decades with a considerable recovery taking place since 1939. This is attributable, to a large extent, to a sudden rise in the birth rate associated with the war. The lowest rates were reached in the immediate post-depression period of 1933 to 1939, as is clearly shown in Chart 1. The main factors throughout were naturally a general falling birth rate and a relatively stable death rate for the total population despite an increase in the deaths among the higher ages which is directly associated with an ageing population.

### Births

Table D presents an historical summary of births, stillbirths and illegitimate births, together with computed rates for each, while Chart 1 portrays the general trends over the same period.

TABLE D—SUMMARY OF LIVE BIRTHS, STILLBIRTHS AND ILLEGITIMATE BIRTHS, AND RATES, ONTARIO, 1922-1943

Year	LIVE BIRTHS		STILLBIRTHS		ILLEGITIMATE BIRTHS	
	Number	Rate per 1,000 Population	Number	Rate per 1,000 Live Births	Number	Rate per 1,000 Live Births
1922.....	71,430	24.0	3,115	43.6	1,519	21.3
1923.....	70,056	23.3	3,028	43.2	1,579	22.5
1924.....	71,510	23.4	2,594	36.3	1,717	24.0
1925.....	78,122	22.5	2,782	39.7	1,881	26.8
1926.....	67,617	21.4	2,812	41.6	1,823	27.0
1927.....	67,671	21.0	2,758	40.8	1,958	28.9
1928.....	68,510	20.9	2,793	40.8	2,170	31.7
1929.....	68,458	20.5	2,730	39.9	2,376	34.7
1930.....	71,263	21.0	2,713	38.1	2,651	37.2
1931.....	69,209	20.2	2,652	38.3	2,773	40.1
1932.....	66,842	19.2	2,377	35.6	2,834	42.4
1933.....	63,646	18.1	2,161	34.0	2,786	43.8
1934.....	62,234	17.6	2,091	33.6	2,500	40.2
1935.....	63,069	17.6	2,140	33.9	2,642	41.9
1936.....	62,451	17.3	2,034	32.6	2,788	44.6
1937.....	61,645	16.9	1,988	32.2	2,796	45.4
1938.....	65,564	17.9	2,015	30.7	3,061	46.7
1939.....	64,123	17.3	1,965	30.6	2,884	45.0
1940.....	68,524	18.3	2,037	29.7	3,167	46.2
1941.....	72,262	19.1	2,084	28.8	3,384	46.8
1942.....	78,192	20.1	2,088	26.7	3,789	48.5
1943.....	81,173	20.7	2,060	25.4	3,741	46.1

The number of live births has shown a more or less general decrease from 1922 to approximately 1937 when 61,645 births were registered. There was some recovery up to the war period followed by a decided increase accompanying the war. The crude birth rate of 20.7 in 1943 was 21 per cent higher than in 1939, and was as high as that attained in 1929, a prosperity period.

The stillbirth rate, on the other hand, has been on an extremely encouraging downward trend with a reduction of almost 41 per cent since 1922. In 1922 for every 1,000 babies born alive, 44 were stillborn, while in 1943 there were 25 stillborn—a fact which may be taken as a partial reflection of the improved health of mothers in the province and the improvement in obstetrical services.

Illegitimacy, however, has been increasing at an alarming rate—3,741 illegitimate births being registered in 1943 as compared with 1,519 such births in 1922. The rate has risen  $1\frac{1}{4}$  times since 1922 with over 46 of every 1,000 births in 1943 being illegitimate as compared with 21 in 1922 and 40 in 1931. It will be noted, however, that in the period 1922-1931 the rate rose 88 per cent as compared with a rise of only 21 per cent since that period and that there was a slight decrease in 1943.

Tables E, F and G provide a breakdown of births by age of mothers for the same three groups, and indicate to some degree the extent to which age has contributed to the trends outlined above, while Chart 2 provides an interesting picture of the age distribution over the same period on the basis of five-year averages.

Chart 1

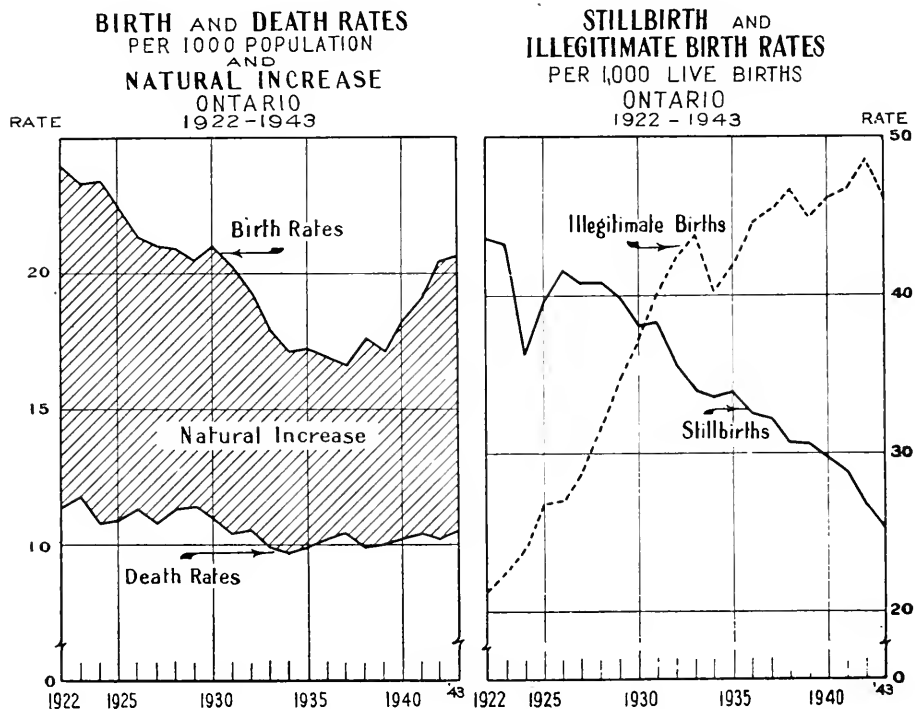


TABLE E—LIVE BIRTHS, CLASSIFIED BY AGE OF MOTHER,  
ONTARIO, 1922-1943

Year	Total Live Births	AGE OF MOTHER								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50 and over
1922	71,430	24	4,352	17,456	20,148	15,501	10,095	3,546	302	6
1923	70,056	22	4,080	16,855	19,845	15,288	10,065	3,580	312	9
1924	71,510	15	4,381	17,264	20,073	15,662	10,089	3,687	328	11
1925	70,122	34	4,476	16,782	19,783	15,272	9,930	3,535	301	9
1926	67,617	17	4,287	16,218	18,748	14,918	9,591	3,519	314	5
1927	67,671	23	4,612	16,645	18,404	14,703	9,453	3,474	342	15
1928	68,510	23	4,867	17,364	18,317	14,823	9,364	3,458	292	2
1929	68,458	34	5,079	17,823	18,522	14,329	9,122	3,237	304	8
1930	71,263	38	5,448	18,884	19,170	14,794	9,277	3,378	272	2
1931	69,209	32	5,511	18,326	18,738	14,192	8,958	3,157	289	6
1932	66,842	15	5,249	17,857	18,188	13,406	8,742	3,084	299	2
1933	63,646	29	5,164	16,927	17,446	12,738	8,223	2,848	269	2
1934	62,234	21	4,842	16,697	17,213	12,435	7,840	2,897	285	4
1935	63,069	20	4,906	17,225	17,636	12,380	7,848	2,790	260	4
1936	62,451	30	4,865	17,428	17,425	12,316	7,482	2,698	201	6
1937	61,645	19	4,974	17,399	17,297	12,172	7,055	2,502	223	4
1938	65,564	29	5,486	18,654	18,532	12,833	7,304	2,515	210	1
1939	64,123	21	5,445	18,041	18,210	12,724	7,138	2,311	231	2
1940	68,524	18	5,977	19,439	19,952	13,399	7,187	2,350	202	..
1941	72,262	28	6,118	21,401	21,413	13,568	7,228	2,325	180	1
1942	78,192	27	6,414	23,432	23,113	14,876	7,696	2,429	201	4
1943	81,173	29	6,040	24,013	24,083	15,934	8,414	2,465	191	4

## PERCENTAGE OF BIRTHS IN EACH AGE-GROUP (STATED AGES)

1922	100.0	0.03	6.1	24.4	28.2	21.7	14.1	5.0	0.4	0.01
1923	100.0	0.03	5.8	24.1	28.3	21.8	14.4	5.1	0.4	0.01
1924	100.0	0.02	6.1	24.1	28.1	21.9	14.1	5.2	0.5	0.02
1925	100.0	0.05	6.4	23.9	28.2	21.8	14.2	5.0	0.4	0.01
1926	100.0	0.03	6.3	24.0	27.7	22.1	14.2	5.2	0.5	0.01
1927	100.0	0.03	6.8	24.6	27.2	21.7	14.0	5.1	0.5	0.02
1928	100.0	0.03	7.1	25.3	26.8	21.6	13.7	5.1	0.4	....
1929	100.0	0.05	7.4	26.0	27.1	20.9	13.3	4.7	0.5	0.01
1930	100.0	0.05	7.7	26.5	26.9	20.8	13.0	4.7	0.4	....
1931	100.0	0.04	8.0	26.5	27.1	20.5	12.9	4.6	0.4	0.01
1932	100.0	0.02	7.9	26.7	27.2	20.1	13.1	4.6	0.4	....
1933	100.0	0.05	8.1	26.6	27.4	20.0	12.9	4.5	0.4	....
1934	100.0	0.03	7.8	26.8	27.7	20.0	12.6	4.6	0.5	0.01
1935	100.0	0.03	7.8	27.3	28.0	19.6	12.5	4.4	0.4	0.01
1936	100.0	0.05	7.8	27.9	27.9	19.7	12.0	4.3	0.3	0.01
1937	100.0	0.03	8.1	28.2	28.1	19.7	11.4	4.1	0.4	0.01
1938	100.0	0.04	8.4	28.5	28.3	19.6	11.1	3.8	0.3	....
1939	100.0	0.03	8.5	28.1	28.4	19.9	11.1	3.6	0.4	....
1940	100.0	0.03	8.7	28.4	29.1	19.6	10.5	3.4	0.3	....
1941	100.0	0.04	8.6	29.6	29.6	18.8	10.0	3.2	0.2	....
1942	100.0	0.03	8.2	30.0	29.6	19.0	9.8	3.1	0.3	0.01
1943	100.0	0.04	7.4	29.6	29.7	19.6	10.4	3.0	0.2	0.01

NOTE: Births to mothers of "not stated" ages have been distributed on the basis of specified ages.



TABLE F—STILLBIRTHS, CLASSIFIED BY AGE OF MOTHER,  
ONTARIO, 1922-1943

Year	Total	AGE OF MOTHER							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over
1922	3,015	...	141	635	731	674	546	256	32
1923	2,963	...	154	547	755	694	531	254	28
1924	2,901	...	124	548	714	682	565	242	26
1925	2,674	1	137	484	647	613	545	216	31
1926	2,693	...	119	478	641	635	509	272	39
1927	2,644	...	137	527	633	595	484	236	32
1928	2,678	...	165	505	620	578	554	225	31
1929	2,589	...	145	540	596	596	445	238	29
1930	2,557	...	133	519	593	602	466	210	34
1931	2,492	1	154	510	602	567	456	182	20
1932	2,245	...	131	438	547	472	421	213	23
1933	2,161	1	146	438	510	458	405	170	33
1934	2,091	1	143	449	483	456	362	177	20
1935	2,140	1	132	460	522	437	384	180	24
1936	2,034	...	119	458	496	414	333	190	24
1937	1,988	2	148	413	490	400	326	184	25
1938	2,015	2	148	437	485	427	336	155	25
1939	1,965	2	144	417	497	416	318	152	19
1940	2,037	1	136	422	517	460	345	140	16
1941	2,084	2	147	461	579	446	309	129	11
1942	2,088	2	141	461	552	440	333	142	17
1943	2,060	1	121	445	587	445	312	129	20
PERCENTAGE IN EACH AGE-GROUP (STATED AGES)									
1922	100.0	...	4.7	21.0	24.2	22.4	18.1	8.5	1.1
1923	100.0	...	5.2	18.5	25.5	23.4	17.9	8.6	0.9
1924	100.0	...	4.3	18.9	24.6	23.5	19.5	8.3	0.9
1925	100.0	0.04	5.1	18.1	24.2	22.9	20.4	8.1	1.2
1926	100.0	...	4.4	17.8	23.8	23.6	18.9	10.1	1.4
1927	100.0	...	5.2	19.9	24.0	22.5	18.3	8.9	1.2
1928	100.0	...	6.2	18.8	23.1	21.6	20.7	8.4	1.2
1929	100.0	...	5.6	20.9	23.0	23.0	17.2	9.2	1.1
1930	100.0	...	5.2	20.3	23.2	23.6	18.2	8.2	1.3
1931	100.0	0.04	6.2	20.5	24.1	22.8	18.3	7.3	0.8
1932	100.0	...	5.8	19.5	24.4	21.0	18.8	9.5	1.0
1933	100.0	0.05	6.8	20.3	23.6	21.2	18.7	7.9	1.5
1934	100.0	0.05	6.8	21.5	23.1	21.8	17.3	8.5	1.0
1935	100.0	0.05	6.2	21.5	24.4	20.4	17.9	8.4	1.1
1936	100.0	...	5.9	22.5	24.4	20.3	16.4	9.3	1.2
1937	100.0	0.1	7.4	20.8	24.6	20.1	16.4	9.3	1.3
1938	100.0	0.1	7.3	21.7	24.1	21.2	16.7	7.7	1.2
1939	100.0	0.1	7.3	21.2	25.3	21.2	16.2	7.7	1.0
1940	100.0	0.05	6.7	20.7	25.4	22.6	16.9	6.9	0.8
1941	100.0	0.1	7.0	22.1	27.8	21.4	14.9	6.2	0.5
1942	100.0	0.1	6.8	22.1	26.4	21.1	15.9	6.8	0.8
1943	100.0	0.05	5.9	21.6	28.5	21.6	15.1	6.3	1.0

NOTE:—1922-1932 figures for married mothers only.

Stillbirths to mothers of "not stated" ages have been distributed on  
the basis of specified ages.

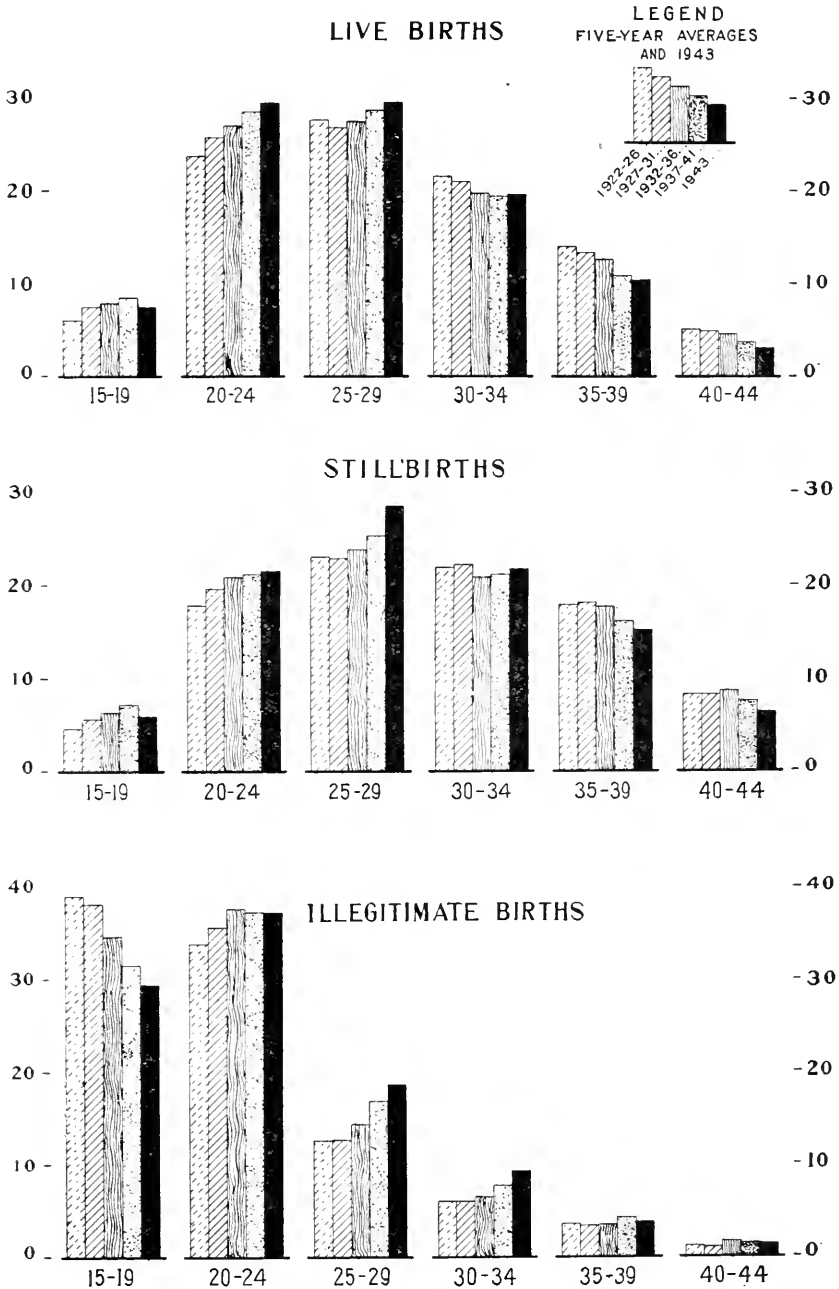
TABLE G—ILLEGITIMATE LIVE BIRTHS, CLASSIFIED BY AGE OF MOTHER, ONTARIO, 1922-1943

Year	Total	AGE OF MOTHER							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over
1922	1,519	21	584	517	208	110	63	15	1
1923	1,579	19	653	558	189	99	45	15	1
1924	1,717	12	695	616	206	98	71	18	1
1925	1,881	27	764	631	260	106	66	25	2
1926	1,823	15	725	640	241	115	61	19	7
1927	1,958	16	796	703	231	126	59	25	2
1928	2,170	21	863	791	278	119	80	17	1
1929	2,376	31	926	867	303	152	66	29	2
1930	2,651	33	974	1,003	345	160	107	24	5
1931	2,773	29	1,080	988	378	170	92	32	4
1932	2,834	13	1,031	1,043	417	182	87	54	7
1933	2,786	21	1,064	1,010	370	175	97	48	1
1934	2,500	17	831	955	380	182	91	38	6
1935	2,642	19	895	1,047	377	167	99	34	4
1936	2,788	29	911	1,102	422	187	94	41	2
1937	2,796	17	887	1,037	447	231	128	44	5
1938	3,061	22	978	1,180	486	215	132	45	3
1939	2,884	21	917	1,075	495	223	119	33	1
1940	3,167	13	1,043	1,159	530	255	116	50	1
1941	3,384	21	1,009	1,281	626	254	150	39	4
1942	3,789	22	1,133	1,434	639	337	158	61	5
1943	3,741	28	1,100	1,388	696	343	135	46	5
PERCENTAGE IN EACH AGE-GROUP (STATED AGES)									
1922	100.0	1.4	38.5	34.0	13.7	7.2	4.1	1.0	0.1
1923	100.0	1.2	41.3	35.3	12.0	6.3	2.8	1.0	0.1
1924	100.0	0.7	40.5	35.9	12.0	5.7	4.1	1.0	0.1
1925	100.0	1.4	40.6	33.6	13.8	5.7	3.5	1.3	0.1
1926	100.0	0.8	39.8	35.1	13.2	6.3	3.3	1.0	0.4
1927	100.0	0.8	40.7	35.9	11.8	6.4	3.0	1.3	0.1
1928	100.0	0.9	39.8	36.4	12.8	5.5	3.7	0.8	0.05
1929	100.0	1.3	39.0	36.5	12.7	6.4	2.8	1.2	0.1
1930	100.0	1.3	36.8	37.8	13.0	6.0	4.0	0.9	0.2
1931	100.0	1.1	39.0	35.6	13.6	6.1	3.3	1.2	0.1
1932	100.0	0.5	36.4	36.8	14.7	6.4	3.1	1.9	0.2
1933	100.0	0.8	38.2	36.2	13.3	6.3	3.5	1.7	0.04
1934	100.0	0.7	33.3	38.2	15.2	7.3	3.6	1.5	0.2
1935	100.0	0.7	33.9	39.6	14.3	6.3	3.7	1.3	0.2
1936	100.0	1.0	32.7	39.5	15.1	6.7	3.4	1.5	0.1
1937	100.0	0.6	31.7	37.1	16.0	8.2	4.6	1.6	0.2
1938	100.0	0.7	31.9	38.6	15.9	7.0	4.3	1.5	0.1
1939	100.0	0.7	31.8	37.3	17.2	7.7	4.1	1.2	0.03
1940	100.0	0.4	32.9	36.6	16.7	8.1	3.7	1.6	0.03
1941	100.0	0.6	29.8	37.9	18.5	7.5	4.4	1.2	0.1
1942	100.0	0.6	29.9	37.8	16.9	8.9	4.2	1.6	0.1
1943	100.0	0.7	29.4	37.2	18.6	9.2	3.6	1.2	0.1

NOTE:—Births to mothers of "not stated" ages have been distributed on the basis of specified ages.

Chart 2

PERCENTAGE OF  
LIVE BIRTHS, STILLBIRTHS AND ILLEGITIMATE BIRTHS  
IN EACH AGE-GROUP OF MOTHERS  
ONTARIO



There has been a general tendency during the past two decades towards younger motherhood. For example, of every 100 babies born alive in 1922, 6 were to mothers under 20 years of age, over 24 to mothers 20-24, and 28 to mothers 25-29 or a total of 59 children to mothers under 30 years of age. In 1943 of every 100 live births, 7 were born to mothers under 20, 30 to mothers 20-24, and 30 to mothers 25-29 or a total of 67 children to mothers under 30 years of age. The picture, however, is not complete without mentioning the fact that fewer children are now being born to each mother than was the case two decades ago, and these are being borne in the early years of married life.

As a partial effect of the trend towards younger motherhood, a greater percentage of stillbirths is now occurring at the younger ages than was the case in 1922. In 1943, 5.9 per cent of the stillbirths were to mothers below 20 years of age as compared with 4.7 per cent in 1922, and 21.6 per cent as compared with 21.0 per cent to mothers 20-24, while proportionate declines are evident among older mothers, particularly those in the late thirties. In 1943 of every 100 stillbirths, 44 were to mothers over 30 years of age as compared with 50 in 1922 and 49 in 1931.

There are indications that the number of stillbirths per 1,000 deliveries has been decreasing at an encouraging rate over the past two decades, and that this has been evident for each age-group of mothers, although the fact remains that the risk of stillbirth delivery increases with age. The following summary sufficiently indicates the general trend in this respect over the 20-year period. For example, of every 1,000 deliveries among mothers 15-19 in 1943, 20 were stillborn as compared with 29 in the period 1922-27; among mothers 20-24 years of age, 18 as compared with 30; among mothers 25-29 years of age, 24 as compared with 33, with similar encouraging figures for older mothers, although the risk of stillbirth delivery increases rapidly for mothers over 35 years of age.

#### AVERAGE NUMBER OF STILLBIRTHS PER 1,000 DELIVERIES

Years	AGE OF MOTHER					
	15-19	20-24	25-29	30-34	35-39	40 and over
1922-27.....	29	30	33	39	49	64
1928-32.....	27	27	30	37	48	63
1933-37.....	27	25	28	34	45	64
1938-42.....	24	21	25	31	43	58
1942.....	22	19	23	29	41	57
1943.....	20	18	24	27	36	53

With respect to illegitimacy, Table G and Chart 2 indicate that the great majority of the illegitimate live births occur to mothers under 25 years of age.

Of every 100 such births in 1922, 74 were to this group of mothers, as compared with 67 in 1943.

In recent years a greater proportion of illegitimate births have been born to mothers in the older age-groups. Chart 2 illustrates this fact showing higher percentages for mothers in their 30's with proportionate reductions for mothers in the 'teen ages.

### Infant Mortality

Table H and Chart 3 both show very clearly the declining trend in the number of deaths of children under one year of age. This decline in trend indicates, to a large extent, the success of a long range programme directed, during the last two decades, at the reduction of infant mortality.

TABLE H—INFANT DEATHS, BY AGE AT DEATH, ONTARIO, 1921-1943

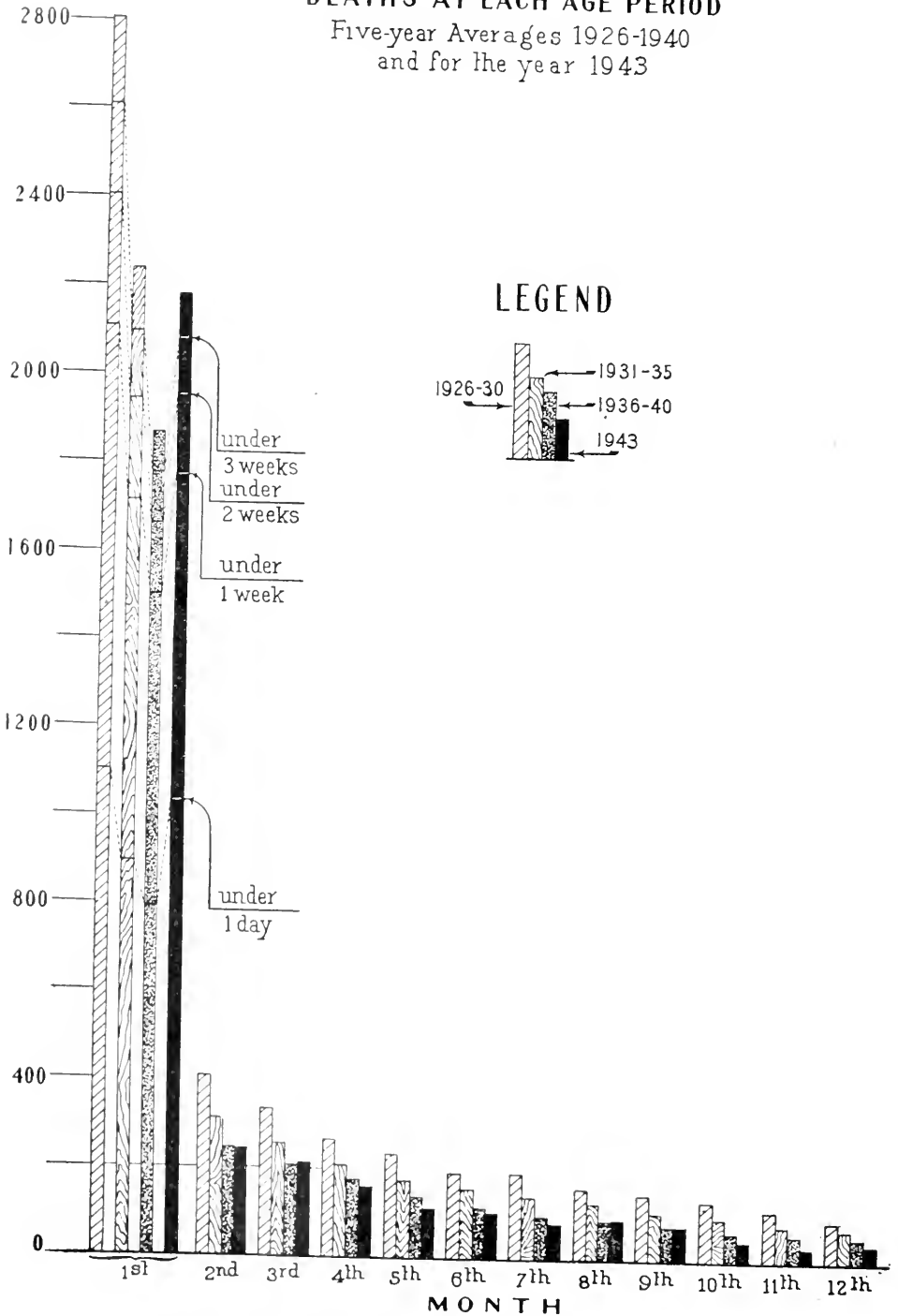
Age at Death	AVERAGE				DEATHS										10 yr. av.
	1921- 1925	1926- 1930	1931- 1935	1936- 1940	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	
<b>Total</b> .....	<b>5,916</b>	<b>5,092</b>	<b>3,961</b>	<b>3,194</b>	<b>3,523</b>	<b>3,515</b>	<b>3,416</b>	<b>3,382</b>	<b>3,245</b>	<b>2,979</b>	<b>2,959</b>	<b>3,294</b>	<b>3,139</b>	<b>3,390</b>	<b>3,284</b>
Under 1 day.....	*	1,102	896	791	756	874	818	817	831	744	745	845	786	1,033	825
Under 1 week.....	2,273	2,108	1,712	1,502	1,512	1,667	1,553	1,548	1,532	1,416	1,461	1,576	1,535	1,770	1,557
Under 2 weeks.....	2,649	2,404	1,941	1,664	1,712	1,862	1,723	1,726	1,678	1,579	1,613	1,750	1,713	1,950	1,731
Under 3 weeks.....	2,916	2,610	2,096	1,777	1,847	2,002	1,839	1,830	1,806	1,585	1,723	1,858	1,824	2,079	1,849
1st month.....	3,137	2,806	2,237	1,867	1,953	2,122	1,935	1,931	1,887	1,777	1,805	1,968	1,922	2,179	1,948
2nd month.....	473	409	310	246	289	279	284	225	241	252	230	267	255	242	256
3rd month.....	376	334	256	209	244	210	236	226	222	183	177	224	213	215	215
4th month.....	334	268	209	178	197	171	190	211	181	149	161	169	157	163	175
5th month.....	300	235	174	139	174	130	156	155	124	131	130	157	122	115	139
6th month.....	243	194	157	115	128	115	116	134	124	107	95	114	118	105	116
7th month.....	230	195	140	97	118	96	99	122	99	92	73	94	85	82	96
8th month.....	198	161	124	88	119	104	105	103	72	80	81	83	70	92	91
9th month.....	176	149	107	78	103	74	97	73	93	73	54	64	65	77	77
10th month.....	168	134	94	63	80	80	72	64	78	50	53	62	52	46	64
11th month.....	145	115	80	58	73	72	68	66	60	41	56	53	41	33	56
12th month.....	136	92	73	56	45	62	58	72	64	44	44	39	39	41	51

\*Figures not available for the years 1921 and 1922.

Chart 3

# INFANT MORTALITY

ONTARIO  
DEATHS AT EACH AGE PERIOD  
Five-year Averages 1926-1940  
and for the year 1943



A reduction in the number of infant deaths is apparent for each of the successive periods indicated and this for every monthly age-group, with 1942 figures significantly lower than the average for the last 10 years. The figures for 1943 show a definite increase in the first month of life due to an increase in the number of deaths from prematurity. Any increases which are noted for 1941 and 1942 must be considered in comparison with the extensive increase in the number of births during the same two years. In support of this statement, the following summary, indicating the number of infant deaths per 1,000 live births, presents possibly a more accurate picture of the rapid reduction in infant mortality than that obtained by a consideration of the total number of deaths occurring in the first year of life.

Years	Infant Deaths per 1,000 Live Births
1921-25.....	83
1926-30.....	74
1931-35.....	61
1936-40.....	50
1941.....	46
1942.....	40
1943.....	42

The 1943 rate shows an increase due for the most part to the increase in the number of deaths in the first month of life.

Table I which presents the deaths and rates for certain causes brings out the fact that there has been a notable reduction in deaths attributable to some of these causes namely in those due to diseases of the digestive tract, of the respiratory organs and whooping cough. The group of diseases of early infancy showed a marked decrease in the period from 1934 to 1942 but due to the increase in deaths from prematurity the rate for this group increased in 1943. Influenza has fluctuated over the period showing the effect of minor epidemics and there was no improvement apparent in the death rate from malformations.

**TABLE I—DEATHS OF CHILDREN UNDER ONE YEAR (STATED CAUSES OF DEATH),  
ONTARIO, 1934-1943**

Cause of Death	TOTAL DEATHS										10-yr. Average 1934- 1943
	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	
<b>Total.....</b>	<b>3,523</b>	<b>3,515</b>	<b>3,416</b>	<b>3,382</b>	<b>3,245</b>	<b>2,979</b>	<b>2,959</b>	<b>3,294</b>	<b>3,139</b>	<b>3,390</b>	<b>3,284</b>
Whooping cough.....	122	95	78	59	60	54	47	81	49	53	70
Influenza.....	49	88	72	131	65	70	76	105	67	105	83
Convulsions.....	34	29	32	21	26	15	17	28	31	20	25
Diseases of respiratory organs.....	411	409	426	415	421	362	377	380	420	410	403
Diseases of digestive tract.....	507	337	381	411	336	264	163	327	233	199	316
Malformations.....	410	415	434	428	446	429	460	514	583	582	470
Diseases of early infancy.....	1,660	1,801	1,637	1,618	1,625	1,504	1,529	1,552	1,437	1,719	1,608
All others.....	330	341	356	299	266	281	290	307	319	302	309
	RATE PER 1,000 LIVE BIRTHS										
<b>Total.....</b>	<b>56.6</b>	<b>55.7</b>	<b>54.7</b>	<b>54.9</b>	<b>49.5</b>	<b>46.5</b>	<b>43.2</b>	<b>45.6</b>	<b>40.1</b>	<b>41.8</b>	<b>48.4</b>
Whooping cough.....	2.0	1.5	1.2	1.0	0.9	0.8	0.7	1.1	0.6	0.7	1.0
Influenza.....	0.8	1.4	1.2	2.1	1.0	1.1	1.1	1.5	0.9	1.3	1.2
Convulsions.....	0.5	0.4	0.5	0.3	0.4	0.2	0.2	0.4	0.4	0.2	0.4
Diseases of respiratory organs.....	6.6	6.5	6.8	6.7	6.4	5.6	5.5	5.3	5.4	5.1	5.9
Diseases of digestive tract.....	8.1	5.3	6.1	6.7	5.1	4.1	2.4	4.5	3.0	2.5	4.6
Malformations.....	6.6	6.6	6.9	6.9	6.8	6.7	6.7	7.1	7.1	7.2	6.9
Diseases of early infancy.....	26.7	28.6	26.2	26.2	24.8	23.5	22.3	21.5	18.4	21.2	23.7
All others.....	5.3	5.4	5.7	4.9	4.1	4.4	4.2	4.2	4.1	3.7	4.6

The number and rates of infant deaths occurring in incorporated centres, of 10,000 population and over, are submitted in Table J.

TABLE J—INFANT MORTALITY IN CITIES, TOWNS AND VILLAGES OF 10,000 POPULATION AND OVER (AS AT CENSUS, 1941) AND RATE PER 1,000 LIVE BIRTHS, ONTARIO, 1939-43

Incorporated Centres	DEATHS UNDER 1 YEAR					RATE PER 1,000 LIVE BIRTHS				
	1939	1940	1941	1942	1943	1939	1940	1941	1942	1943
Belleville.....	32	37	45	50	59	66.9	61.0	60.6	54.0	58.4
Brantford.....	38	24	38	34	34	62.1	36.4	48.0	36.7	34.8
Brockville.....	21	22	22	18	26	78.4	58.4	64.7	38.5	52.5
Chatham.....	32	41	48	28	47	41.5	46.1	46.8	26.9	38.9
Cornwall.....	35	42	52	45	56	56.6	63.8	80.5	61.2	68.0
Forest Hill.....	1	1	..	..	..	†	†	..	..	..
Fort William.....	24	27	36*	27	19	47.2	47.2	125.9*	41.4	25.3
Galt.....	10	14	13	13	10	35.3	40.1	33.7	30.3	22.8
Guelph.....	12	11	14	8	18	44.4	40.1	43.1	24.0	48.5
Hamilton.....	90	105	122	129	163	30.9	32.7	33.5	29.8	34.5
Kingston.....	40	40	61	63	55	51.1	45.5	56.5	51.9	36.6
Kitchener.....	29	33	35	44	37	37.5	37.0	32.1	35.8	28.9
London.....	80	67	71	60	89	49.2	36.2	35.8	28.6	38.1
Niagara Falls.....	15	16	25	20	17	36.3	32.9	40.6	27.7	22.9
North Bay.....	17	16	28	23	28	38.6	40.1	63.8	51.7	57.4
Oshawa.....	17	33	25	32	25	33.8	56.8	38.8	41.7	29.7
Ottawa.....	163	180	219	215	203	53.4	48.8	54.8	49.7	44.7
Owen Sound.....	23	21	22	23	26	65.5	56.1	51.6	48.1	51.7
Pembroke.....	19	21	34	29	27	57.8	64.8	69.2	56.4	48.0
Peterborough.....	33	32	29	50	34	46.8	44.4	32.9	47.8	34.2
Port Arthur.....	40	25	48	28	22	63.7	38.8	42.6	31.9	25.9
St. Catharines.....	31	24	27	36	39	43.8	32.3	28.5	33.1	33.0
St. Thomas.....	8	18	31	28	28	18.2	32.6	54.2	42.7	38.1
Sarnia.....	22	22	26	23	28	48.5	41.9	45.8	38.5	39.6
Sault Ste. Marie.....	31	35	37	44	37	51.5	52.2	46.4	51.2	41.1
Stratford.....	16	15	14	16	18	41.6	34.4	33.3	34.9	33.3
Suilbury.....	81	94	80	71	120	55.9	56.5	46.9	38.8	62.7
Timmins.....	51	50	44	31	45	57.4	49.3	45.9	30.7	54.3
Toronto.....	438	424	453	489	565	42.8	38.1	36.9	34.8	37.3
Welland.....	17	21	29	37	27	46.4	49.0	52.7	50.8	32.5
Windsor.....	76	88	87	145	159	35.5	36.9	31.1	45.3	46.2
Woodstock.....	14	17	17	5	12	50.5	49.3	55.6	12.5	28.9

\*Maternity ward of McKellar Hospital at Fort William closed.

†Rates not computed because of small numbers.

### Maternal Mortality

From Table K, it will be noted that a considerable reduction in the number of deaths of mothers during childbirth has taken place during the past 20 years, and particularly during the past 5 years, with the 1943 rate being considerably below the average of the last decade. In general, the reduction in the rate seems to be more apparent in younger than in older mothers, although in 1942, and 1943, the latter group showed a marked decrease in the rate per 1,000 live births.



TABLE K—MATERNAL DEATHS, AND RATE PER 1,000 LIVE BIRTHS,  
BY AGE, ONTARIO, 1921-1943

Age at Death	AVERAGE				DEATHS										10-yr. Average 1934- 1943
	1921- 1925	1926- 1930	1931- 1935	1936- 1940	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	
<b>Total</b> .....	<b>385</b>	<b>397</b>	<b>345</b>	<b>290</b>	<b>348</b>	<b>313</b>	<b>355</b>	<b>319</b>	<b>251</b>	<b>276</b>	<b>254</b>	<b>219</b>	<b>206</b>	<b>189</b>	<b>273</b>
Under 15.....	..	1	1	..	1	1	..	1	..	..	..	..	..	..	1
15-19.....	22	25	18	20	19	13	20	21	18	20	21	13	13	7	17
20-24.....	63	72	62	50	63	53	68	59	43	51	31	36	36	36	48
25-29.....	80	82	79	66	80	71	81	70	66	55	58	60	52	48	64
30-34.....	173	91	80	66	78	74	85	72	54	58	62	41	50	46	62
35-39.....		82	69	57	67	74	58	68	46	62	53	47	36	31	54
40-44.....	47	39	31	28	35	23	40	25	23	27	24	21	18	19	26
45 and over.....		5	5	3	3	5	4	3	3	1	3	5	1	1	3
Not stated.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
RATE PER 1,000 LIVE BIRTHS (STATED AGES ONLY)															
<b>Total</b> .....	<b>5.5</b>	<b>5.8</b>	<b>5.3</b>	<b>4.5</b>	<b>5.6</b>	<b>5.0</b>	<b>5.7</b>	<b>5.2</b>	<b>3.8</b>	<b>4.3</b>	<b>3.7</b>	<b>3.0</b>	<b>2.6</b>	<b>2.3</b>	<b>4.0</b>
Under 15.....	..	*	*	..	*	*	..	*	..	..	..	..	..	*	*
15-19.....	5.2	5.2	3.5	3.7	3.9	2.7	4.1	4.2	3.3	3.7	3.5	2.1	2.0	1.2	3.0
20-24.....	3.7	4.2	3.6	2.8	3.8	3.1	3.9	3.4	2.3	2.8	1.6	1.7	1.5	1.5	2.5
25-29.....	4.1	4.4	4.4	3.6	4.7	4.0	4.7	4.1	3.6	3.0	2.9	2.8	2.3	2.0	3.3
30-34.....	6.9	6.2	6.2	5.2	6.3	6.0	6.9	5.9	4.2	4.6	4.6	3.0	3.4	2.9	4.7
35-39.....		8.8	8.3	7.9	8.6	9.5	7.8	9.7	6.3	8.7	7.4	6.5	4.7	3.7	7.2
40-44.....	12.3	10.5	11.3	12.1	12.1	8.3	14.9	10.0	9.2	11.7	10.2	9.0	7.4	7.7	10.1
45 and over.....		16.2	17.7	13.9	17.4	15.2	14.6	13.3	*	12.9	24.8	*	*	..	11.8

\*Rates not computed because of small numbers.

The tables which follow present the distribution of maternal deaths during 1943 by locality, as well as deaths of women not directly classified as due to pregnancy or child-birth, but which were associated therewith.

The rates shown in Table L are of special interest in that they indicate clearly not only the general downward trend in maternal mortality as between cities, towns and rural areas of the province but that the maternal mortality rates during the past three years have been somewhat higher in towns than in cities and lowest in rural communities, the rates for 1943 being 2.4 per 1,000 live births in cities, 2.6 in towns and only 2.1 in the rural areas. The rural rates have been consistently lower than those for the urbanized communities.

TABLE L—MATERNAL MORTALITY AND RATE PER 1,000 LIVE BIRTHS,  
CLASSIFIED BY CITIES, TOWNS AND RURAL AREAS,  
ONTARIO, 1933-1943

Year	LIVE BIRTHS				MATERNAL DEATHS				RATE PER 1,000 LIVE BIRTHS			
	Total	(1) Cities	(2) Towns	Rural	Total	(1) Cities	(2) Towns	Rural	Total	(1) Cities	(2) Towns	Rural
1933	63,646	31,107	4,114	28,425	346	203	25	118	5.4	6.5	6.1	4.2
1934	62,234	30,309	3,876	28,049	348	210	27	111	5.6	6.9	7.0	4.0
1935	63,069	31,700	3,943	27,426	313	246	24	43	5.0	7.8	6.1	1.6
1936	62,451	32,425	4,044	25,982	355	211	24	120	5.7	6.5	5.9	4.6
1937	61,645	32,420	4,164	25,051	319	195	30	94	5.2	6.0	7.2	3.8
1938	65,564	35,194	4,542	25,828	251	155	26	70	3.8	4.4	5.7	2.7
1939	64,123	34,780	4,557	24,780	276	179	22	75	4.3	5.1	4.8	3.0
1940	68,524	38,804	4,949	24,771	254	150	26	78	3.7	3.9	5.3	3.1
1941	72,262	42,875	5,502	23,885	219	141	20	58	3.0	3.3	3.6	2.4
1942	78,192	48,434	6,102	23,656	206	140	19	47	2.6	2.9	3.1	2.0
1943	81,173	52,083	6,248	22,842	189	124	16	49	2.3	2.4	2.6	2.1

(1) Units of 10,000 population and over.

(2) " " 5,000 to 10,000.

TABLE M—DEATHS OF WOMEN NOT CLASSIFIED TO PREGNANCY OR CHILD-BEARING BUT RETURNED AS ASSOCIATED THEREWITH, ONTARIO, 1943

Int. List No.	Causes of Death	Number
13b	Tuberculosis of the respiratory system . . . . .	4
22a	Disseminated tuberculosis . . . . .	1
30g	Syphilis . . . . .	2
33	Influenza . . . . .	7
42a	Other diseases due to helminths . . . . .	1
48b	Cancer of the uterus . . . . .	1
55c	Cancer of other and unspecified organs . . . . .	1
58d	Acute rheumatic fever . . . . .	1
73a	Pernicious anaemia . . . . .	1
92a, b, d	Chronic affections of the valves and endocardium . . . . .	4
93b, d	Diseases of the myocardium . . . . .	2
95c	Other diseases of the heart (non-rheumatic) . . . . .	1
108	Lobar pneumonia . . . . .	1
109	Pneumonia (unspecified) . . . . .	1
117a	Ulcer of the stomach . . . . .	2
122b	Intestinal obstruction . . . . .	2
131	Chronic nephritis . . . . .	1
	TOTAL . . . . .	33

### General Mortality

Table N presents a historical summary of deaths by sex in the province and the computed crude death rates over a 22-year period while Chart 1 presents a graphic picture of the general trend in the rate.

Over the past two decades two main trends are apparent. From 1922 to the early 1930's the rate averaged close to 11 deaths per 1,000 population. Dropping rapidly in 1931 and 1932, it has since stabilized at about 10 deaths per year per 1,000 population.

The death rate among males has been consistently higher than that among females and there are indications that this divergence between the two rates has been widening during the past decade or more. During the past four years the male rate has been influenced, of course, by deaths among the Armed Forces.

**TABLE N—DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATH RATES PER 1,000 POPULATION, ONTARIO, 1922-1943**

Year	DEATHS			RATE PER 1,000 POPULATION		
	Total	Male	Female	Total	Male	Female
1922.....	34,034	17,726	16,308	11.4	11.8	11.1
1923.....	35,636	18,452	17,184	11.8	12.1	11.5
1924.....	33,078	17,153	15,925	10.8	11.1	10.6
1925.....	33,960	17,583	16,377	10.9	11.1	10.7
1926.....	35,909	18,721	17,188	11.3	11.7	11.0
1927.....	34,775	18,305	16,470	10.8	11.2	10.4
1928.....	37,128	19,457	17,671	11.3	11.7	11.0
1929.....	38,123	20,281	17,842	11.4	12.0	10.9
1930.....	37,313	19,827	17,486	11.0	11.5	10.5
1931.....	35,705	19,137	16,568	10.4	10.9	9.8
1932.....	36,469	19,196	17,273	10.5	10.9	10.1
1933.....	35,301	18,489	16,812	10.1	10.3	9.8
1934.....	35,119	18,731	16,388	9.9	10.4	9.4
1935.....	36,317	19,281	17,036	10.2	10.6	9.7
1936.....	37,571	19,916	17,655	10.4	10.9	10.0
1937.....	38,475	20,690	17,785	10.6	11.2	10.0
1938.....	36,890	19,814	17,076	10.0	10.6	9.5
1939.....	37,530	20,310	17,220	10.1	10.8	9.4
1940.....	38,503	20,923	17,580	10.3	11.0	9.5
1941.....	39,226	21,549	17,677	10.4	11.2	9.5
1942.....	39,119	21,349	17,770	10.1	10.9	9.3
1943.....	41,063	22,159	18,904	10.5	11.2	9.8

Table O presents both male and female crude death rates for each 5-year age-group, based on the population as enumerated at the censuses of 1921, 1931 and 1941 and as estimated for the years 1942 and 1943. There are several features with respect to changing death rates which are worthy of comment, notable among which is the remarkable decrease in the death rate of children under 5 years of age from 31.8 in 1921 to 13.5 in 1943 for males and from 24.8 to 10.5 for females. Similar declines are apparent in the other age-groups up to middle life. After middle life an increase will be noted in the rate for males.

This latter fact is clearly portrayed in Chart 4 which depicts the percentage of deaths occurring in each age-group of the population.

TABLE O—DEATH RATES PER 1,000 POPULATION FOR EACH SEX AND AGE-GROUP. 1921, 1931, 1941, 1942 and 1943

Age-Group	MALES					FEMALES				
	1921	1931	1941	1942	1943	1921	1931	1941	1942	1943
<b>Total</b> .....	<b>12.2</b>	<b>10.9</b>	<b>11.2</b>	<b>11.0</b>	<b>11.2</b>	<b>11.4</b>	<b>9.8</b>	<b>9.5</b>	<b>9.4</b>	<b>9.8</b>
Under 5.....	31.8	21.2	14.8	13.6	13.5	24.8	17.0	11.3	10.5	10.5
5-9.....	3.3	1.8	1.3	1.1	1.2	2.7	1.2	0.9	0.7	0.8
10-14.....	1.9	1.4	1.2	0.9	1.0	2.0	1.3	0.7	0.7	0.8
5-14.....	2.6	1.6	1.2	1.0	1.1	2.4	1.2	0.8	0.7	0.8
0-14.....	12.6	7.9	5.6	5.2	5.4	10.0	6.3	4.2	3.9	4.2
15-19.....	3.1	2.2	1.7	1.8	1.9	2.4	1.7	1.0	1.1	0.9
20-24.....	3.7	2.9	2.3	2.3	2.0	3.5	2.9	1.4	1.4	1.4
25-29.....	4.3	3.6	2.2	1.9	1.9	4.3	3.0	1.7	1.9	1.7
15-29.....	3.7	2.8	2.1	2.0	1.9	3.4	2.5	1.3	1.4	1.3
30-34.....	4.1	3.7	2.4	2.2	2.2	4.4	3.4	2.0	2.1	2.0
35-39.....	4.9	3.9	3.5	3.0	3.2	5.6	4.5	2.8	2.8	2.8
40-44.....	6.0	5.4	4.8	4.7	4.4	6.2	4.5	3.8	3.4	3.7
30-44.....	4.9	4.3	3.5	3.3	3.2	5.4	4.1	2.8	2.8	2.8
45-49.....	7.0	7.8	7.1	6.6	6.8	7.5	6.4	5.6	5.4	5.4
50-54.....	10.5	11.2	11.6	11.6	10.1	10.4	8.7	7.7	7.7	7.6
55-59.....	15.9	16.8	16.6	17.1	16.6	14.0	13.3	12.2	12.8	11.9
45-59.....	10.6	11.3	11.4	11.4	10.8	10.2	9.0	8.2	8.3	8.1
60-64.....	23.2	23.7	26.1	25.7	25.2	20.9	20.4	18.0	18.6	18.7
65-69.....	34.3	38.1	38.4	39.2	39.7	34.7	30.3	30.0	28.8	30.5
70-74.....	61.0	56.2	59.5	58.3	60.6	57.0	48.4	47.1	45.8	48.4
60-74.....	35.2	36.7	38.1	37.9	38.3	33.5	31.0	29.2	28.8	30.0
75-79.....	93.9	92.9	97.8	95.0	95.6	89.1	88.3	79.8	78.6	82.3
80-84.....	138.5	143.0	147.5	142.6	152.4	133.8	132.4	132.4	127.9	138.7
85-89.....	215.2	223.5	230.2	214.9	257.2	210.8	197.9	201.1	210.5	207.9
90 and over.....	305.3	327.6	343.2	331.8	513.0	337.0	317.1	320.0	317.3	331.5
75 and over.....	128.9	127.0	133.7	128.6	138.6	128.0	122.6	118.2	117.1	123.3

### The Ten Leading Causes of Death

In Table P it will be seen that during the past 10-year period diseases of the heart, cancer, diseases of the arteries, and accidental causes have been the 4 leading causes of death in Ontario. In 1941 nephritis moved to 5th place from 6th, and intracranial lesions of vascular origin to 6th from 9th place. The change in place of the latter group and also the shifting of the diseases of the arteries to 4th from 2nd place is due to changes in classification in the "Fifth Revision of the International List of Causes of Death". In 1941 and 1942 pneumonia dropped from 5th to 7th place but returned to 5th place in 1943. The group of diseases peculiar to the first year of life has dropped from 7th to 8th place and tuberculosis from 8th to 9th place. In 1940 diabetes displaced influenza and diarrhoea and enteritis as the 10th main cause of death.

In 1943 diseases of the heart accounted for almost 31 of every 100 deaths, with a rate of 324.2 per 100,000 population. Cancer and diabetes rates have also

shown considerable upward trends over the past 10 years. In 1943 diseases of the heart and arteries and cancer together accounted for over half of the deaths in the province.

Chart 4

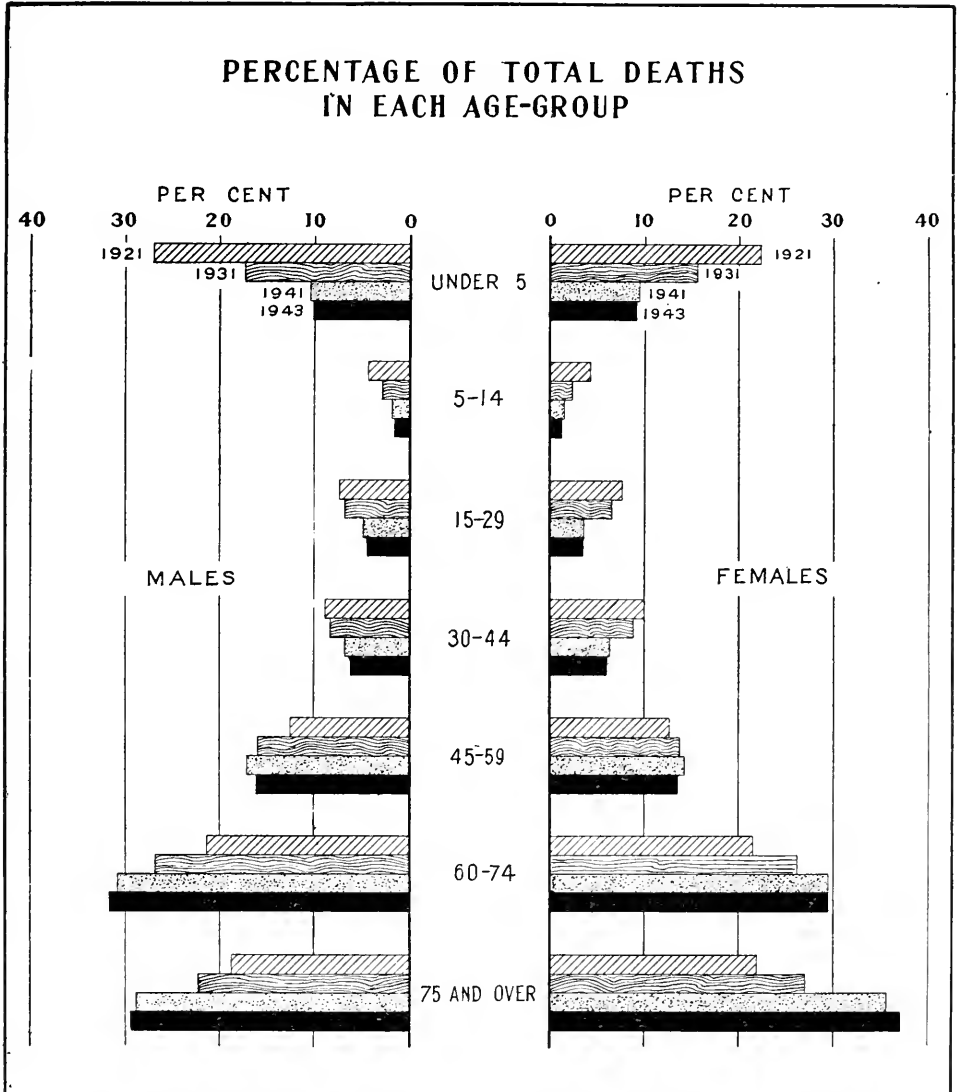


TABLE P—THE TEN LEADING CAUSES OF DEATH IN ONTARIO, 1934-1943.

Year	Diseases of the heart		Cancer (all forms)		Diseases of the arteries		Violent or accidental deaths		Pneumonia (all forms)		Nephritis		Intracranial Lesions of vascular origin		Diseases peculiar to the first year of life		Tuberculosis (all forms)		Diabetes mellitus					
	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rank	No. of deaths	Rate	p.c.	Rate	p.c.
1934	1	7,066	2	4,034	3	3,793	4	2,535	5	2,145	6	1,700	9	1,229	7	1,660	8	1,337	12	522				
1935	1	7,053	2	4,214	3	4,109	4	2,672	5	2,417	6	1,848	9	1,025	7	1,801	8	1,303	11	524				
1936	1	7,053	3	4,441	2	4,621	4	3,294	3	2,520	6	1,892	9	839	7	1,637	8	1,327	11	566				
1937	1	7,226	3	4,547	2	4,633	4	2,851	5	2,595	6	1,946	10	770	8	1,618	9	1,315	11	579				
1938	1	7,354	3	4,472	2	4,745	4	2,754	5	2,495	6	1,900	9	790	7	1,625	8	1,237	11	584				
1939	1	7,705	3	4,567	2	5,189	4	2,718	5	2,174	6	1,889	10	814	7	1,504	9	1,085	11	657				
1940	1	8,546	3	4,847	2	5,769	4	2,926	5	1,977	6	1,558	9	901	7	1,529	8	1,011	10	691				
1941	1	11,676	2	4,931	4	3,107	3	3,305	7	1,676	5	2,007	6	1,772	8	1,552	9	1,100	10	872				
1942	1	12,069	2	5,005	3	3,106	4	3,069	7	1,798	5	1,957	6	1,852	8	1,437	9	1,093	10	914				
1943	1	12,700	2	5,193	3	3,271	4	2,912	5	2,031	6	1,959	7	1,872	8	1,719	9	1,101	10	998				
1934	20.1	194.7	11.5	111.2	10.8	104.5	7.2	69.9	6.1	59.1	4.8	46.8	3.5	33.9	4.7	45.7	3.8	36.8	1.5	14.4				
1935	19.4	192.0	11.6	114.7	11.3	111.9	7.4	72.7	6.7	65.8	5.1	50.3	2.8	27.9	5.0	49.0	3.6	35.5	1.4	14.3				
1936	18.8	191.2	11.8	120.4	12.3	125.3	8.8	89.3	6.7	68.3	5.0	51.3	2.2	20.7	4.4	44.4	3.5	36.0	1.5	15.3				
1937	18.8	194.7	11.8	122.5	12.0	124.8	7.4	76.8	6.7	69.9	5.1	52.4	2.0	20.7	4.2	43.6	3.4	35.4	1.5	15.6				
1938	19.9	197.1	12.1	119.9	12.9	127.2	7.5	73.8	6.8	66.9	5.2	50.9	2.1	21.2	4.4	43.6	3.4	33.2	1.6	15.7				
1939	20.5	205.4	12.2	121.7	13.8	138.3	7.2	72.4	5.8	57.9	5.0	50.3	2.2	21.7	4.0	40.1	2.9	28.9	1.8	17.5				
1940	22.2	227.1	12.6	128.8	15.0	153.3	7.6	77.8	5.1	52.5	5.1	52.0	2.3	23.9	4.0	40.6	2.6	26.9	1.8	18.4				
1941	29.8	308.3	12.6	130.2	7.9	82.0	8.4	87.3	4.3	44.2	5.1	53.0	4.5	46.8	4.0	41.0	2.8	29.0	2.2	23.0				
1942	30.9	315.5	12.8	130.8	7.9	81.2	7.8	80.2	4.6	47.0	5.0	51.2	4.7	47.9	3.7	37.6	2.8	28.6	2.3	23.9				
1943	30.4	324.2	12.6	132.6	8.0	83.5	7.1	74.3	4.9	51.9	4.8	50.0	4.6	47.8	4.2	43.9	2.7	28.1	2.4	25.5				

(1) Per cent of total deaths.

(2) Rate per 100,000 population.

NOTE: It should be noted that the effects of certain changes in classification and rearrangement of titles provided in the Fifth Revision of the International List of Causes of Death are apparent in the following: Tuberculosis, Diseases of the heart, Diseases peculiar to the first year of life, Diseases of the arteries and intracranial lesions of vascular origin.

### The Four Chief Causes of Death in each Age-Group

Table Q shows the four primary causes of death in each age-group for 1943. In brief, it will be seen that accidents, or other violent causes, is the main cause of death of persons from 1 to 39 years of age. From 10 to 29 years of age tuberculosis was the second chief cause of death. In 1942 it was second in the 5 to 9 group, but in 1943 pneumonia and bronchitis displaced it. Diseases of the heart becomes one of the four chief causes in the 10 to 19 year age-group and after 40 years of age becomes the chief cause of death in every age-group, causing approximately 70 per cent of the deaths in the older age-groups. Cancer does not appear as a main cause of death until the late 30's, increasing with age and particularly affecting persons in their 60's. In general, diseases of the heart and arteries, cancer and intracranial lesions of vascular origin are the primary causes of death of persons over 50 years of age.

TABLE Q—THE FOUR CHIEF CAUSES OF DEATH IN THE DIFFERENT AGE-GROUPS, ONTARIO, 1943

Int. List Number	Age-group and Cause of Death	Deaths in Age-groups by Cause of Death	Per Cent of Deaths in Age-groups due to Specified Causes	Deaths from Specified Causes at all Ages	Per Cent of Deaths at all Ages from Specified Causes
	<b>Under 1 year, total</b> .....	<b>3,390</b>	<b>70.5</b>		
159	Premature birth.....	1,052	31.0	1,052	100.0
157	Congenital malformations.....	582	17.2	680	85.6
106-109	Pneumonia and bronchitis.....	398	11.7	2,198	18.1
160	Injury at birth.....	359	10.6	359	100.0
	<b>1-4 years, total</b> .....	<b>605</b>	<b>57.0</b>		
163-198	Violent or accidental deaths.....	175	28.9	2,912	6.0
106-109	Pneumonia and bronchitis.....	89	14.7	2,198	4.0
157	Congenital malformations.....	48	7.9	680	7.1
33	Influenza.....	33	5.5	699	4.7
	<b>5-9 years, total</b> .....	<b>294</b>	<b>56.1</b>		
163-198	Violent or accidental deaths.....	108	36.7	2,912	3.7
106-109	Pneumonia and bronchitis.....	26	8.8	2,198	1.2
13- 22	Tuberculosis.....	16	5.4	1,101	1.5
121	Appendicitis.....	15	5.1	199	7.5
	<b>10-19 years, total</b> .....	<b>754</b>	<b>57.6</b>		
163-198	Violent or accidental deaths.....	272	36.1	2,912	9.3
13- 22	Tuberculosis.....	89	11.8	1,101	8.1
106-109	Pneumonia and bronchitis.....	39	5.2	2,198	1.8
90- 95	Diseases of the heart.....	34	4.5	12,700	0.3
	<b>20-29 years, total</b> .....	<b>1,171</b>	<b>64.0</b>		
163-198	Violent or accidental deaths.....	350	29.9	2,912	12.0
13- 22	Tuberculosis.....	206	17.6	1,101	18.7
90- 95	Diseases of the heart.....	109	9.3	12,700	0.9
140-150	Diseases of pregnancy.....	84	7.2	189	44.4
	<b>30-39 years, total</b> .....	<b>1,464</b>	<b>59.2</b>		
163-198	Violent or accidental deaths.....	250	17.1	2,912	8.6
90- 95	Diseases of the heart.....	224	15.3	12,700	1.8
13- 22	Tuberculosis.....	207	14.1	1,101	18.8
45- 55	Cancer.....	186	12.7	5,193	3.6
	<b>40-49 years, total</b> .....	<b>2,508</b>	<b>62.4</b>		
90- 95	Diseases of the heart.....	611	24.4	12,700	4.8
45- 55	Cancer.....	516	20.6	5,193	9.9
163-198	Violent or Accidental deaths.....	273	10.9	2,912	9.4
13- 22	Tuberculosis.....	165	6.6	1,101	15.0

TABLE Q—THE FOUR CHIEF CAUSES OF DEATH IN THE DIFFERENT AGE-GROUPS, ONTARIO, 1943—Continued

Int. List Number	Age-group and Cause of Death	Deaths in Age-groups by Cause of Death	Per Cent of Deaths in Age-groups due to Specified Causes	Deaths from Specified Causes at all Ages	Per Cent of Deaths at all Ages from Specified Causes
	<b>50-59 years, total</b> .....	<b>4,701</b>	<b>64.5</b>		
90- 95	Diseases of the heart.....	1,535	32.7	12,700	12.1
45- 55	Cancer.....	964	20.5	5,193	18.6
163-198	Violent or accidental deaths.....	290	6.2	2,912	10.0
83a-d	Intracranial lesions of vascular origin	245	5.2	1,872	13.1
	<b>60-69 years, total</b> .....	<b>7,770</b>	<b>68.2</b>		
90- 95	Diseases of the heart.....	2,919	37.6	12,700	23.0
45- 55	Cancer.....	1,407	18.1	5,193	27.1
83e,96,97, 99, 102	Diseases of the arteries (coronary excepted).....	533	6.9	3,271	16.3
83a-d	Intracranial lesions of vascular origin	438	5.6	1,872	23.4
	<b>70-79 years, total</b> .....	<b>9,952</b>	<b>71.2</b>		
90- 95	Diseases of the heart.....	4,026	40.5	12,700	31.7
45- 55	Cancer.....	1,336	13.4	5,193	25.7
83e,96,97, 99, 102	Diseases of the arteries (coronary excepted).....	1,122	11.3	3,271	34.3
83a-d	Intracranial lesions of vascular origin	601	6.0	1,872	32.1
	<b>80-89 years, total</b> .....	<b>7,223</b>	<b>69.6</b>		
90- 95	Diseases of the heart.....	2,803	38.8	12,700	22.1
83e,96,97, 99, 102	Diseases of the arteries (coronary excepted).....	1,147	15.9	3,271	35.1
45- 55	Cancer.....	635	8.8	5,193	12.2
106-109	Pneumonia and bronchitis.....	443	6.1	2,198	20.2

### Mortality from Notifiable Diseases

A summary of deaths and death rates from notifiable diseases is shown in Tables R (1) and R (2) for the last 10-year period. The 1943 figures were consistently lower than those for the previous year for all diseases except chickenpox, influenza and measles. In general, from 1934 to 1943 deaths from diphtheria, erysipelas, scarlet fever and typhoid fever have been on a general downward trend. Deaths from influenza have shown a decided decline except for minor epidemics in 1937, 1939. Deaths from poliomyelitis have shown the same trend except for the year 1937, as well as those from whooping cough except for the year 1941. Deaths from tuberculosis are discussed in detail in the section to follow.



TABLE R (1)—DEATHS FROM NOTIFIABLE DISEASES, ONTARIO, 1934-1943.

Cause of Death	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
	Number									
Actinomycosis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Anthrax.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Botulism.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chickenpox.....	11	6	6	5	3	4	7	2	5	8
Cholera (Asiatic).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Conjunctivitis (ophthalmia neonatorum).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria.....	23	33	31	30	11	13	14	14	14	7
Dysentery.....	57	29	34	38	36	27	21	37	34	19
Encephalitis (infectious).....	16	24	15	15	14	15	17	25	22	16
Erysipelas.....	74	74	81	47	34	25	28	15	6	6
Glanders.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Influenza (epidemic).....	580	958	722	1,659	618	1,190	611	465	273	699
Jaundice (infectious).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leprosy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Malaria.....	.....	.....	1	2	3	1	1	.....	1	.....
Measles.....	5	89	84	30	31	44	31	43	9	32
Meningitis (meningococcal).....	13	24	20	17	16	18	30	60	34	31
Paratyphoid fever.....	2	.....	3	4	4	3	1	5	4	4
Plague.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Poliomyelitis.....	39	14	23	119	25	23	14	10	12	8
Psittacosis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerperal septicaemia.....	69	49	85	65	50	50	35	52	41	44
Rabies.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mountain spotted fever.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rubella (German measles).....	1	1	3	.....	.....	.....	.....	2	.....	1
Scarlet fever.....	58	57	79	50	49	53	31	38	31	24
Septic Sore Throat (epidemic).....	.....	.....	.....	.....	.....	.....	.....	81	28	23
Smallpox.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tick paralysis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trachoma.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trichinosis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Tuberculosis.....	1,337	1,303	1,327	1,315	1,237	1,085	1,011	1,100	1,093	1,101
(a) Pulmonary.....	1,144	1,097	1,109	1,149	1,070	936	846	968	955	966
(b) Non-pulmonary.....	193	206	218	166	167	149	165	132	138	135
Tularaemia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Typhoid fever.....	47	39	40	35	35	16	26	18	10	14
Typhus fever.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Undulant fever.....	3	5	2	6	2	2	3	2	3	1
Vincent's angina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Whooping cough.....	178	144	112	104	88	75	69	100	62	71
Yellow fever.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

NOTE.—Previous to 1941 deaths from Septic Sore Throat were not tabulated separately.

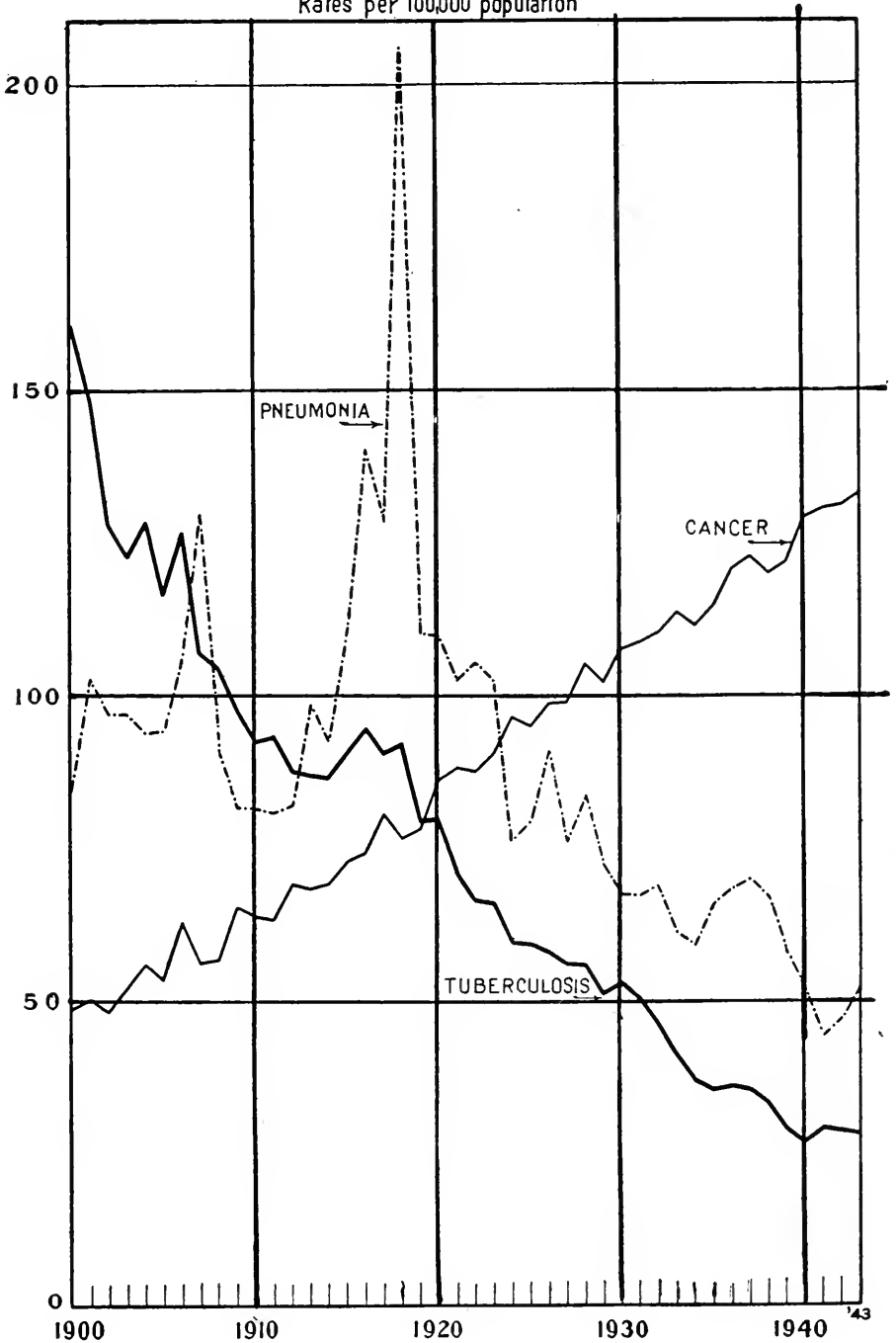


Mortality from Tuberculosis

Chart 5

DEATHS FROM  
TUBERCULOSIS, CANCER AND PNEUMONIA

ONTARIO, 1900-43  
Rates per 100,000 population



### Mortality from Tuberculosis

Table S(1) shows the deaths from all forms of tuberculosis in the province from 1934 to 1943. Table S(2) shows the death rates per 100,000 population classified by the age of the decedents for 1931, 1941, 1942 and 1943. There have been two main trends in the total numbers of those dying from tuberculosis; namely, a gradual decline from 1,337 deaths in 1934 to 1,085 in 1939, followed by a levelling off during the past four years, with an average of 1,076 deaths per year. On the other hand, the death rate shows a steady decline from 36.8 per 100,000 in 1934 to 27.0 in 1940, followed by slightly increased rates of 29.0 in 1941 and 28.1 in 1942 and 1943. Chart 5 illustrates the decided reduction in mortality from tuberculosis which has taken place since the beginning of the century.

The largest number of deaths occurred in 1943 in the age-groups 20 to 29 and 30 to 39 years, followed by the 50 to 59 year group. Since 1934 there has been a decline in the number of deaths in the younger age-groups, whereas, in the older age-groups there has not been much change in this period. The rates, however, in all instances, have been either more than halved or greatly reduced. Although the number of deaths of children under four years of age has always been relatively small, since 1931 there has been a remarkable reduction in the death rate among this group of the population.

Table 48, in Part II of this report, gives details of deaths and death rates for counties according to place of occurrence and place of residence for the year 1943.

TABLE S (1)—DEATHS FROM TUBERCULOSIS (ALL FORMS), BY AGE AND SEX, ONTARIO, 1934-1943

Age-group	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
<b>Total Deaths from all causes*</b> .....	35,119	36,317	37,571	38,475	36,890	37,530	38,503	39,226	39,119	41,063
M.	18,731	19,281	19,916	20,690	19,814	20,310	20,923	21,549	21,349	22,159
F.	16,388	17,036	17,655	17,785	17,076	17,220	17,580	17,677	17,770	18,904
<b>Total Deaths from Tuberculosis*</b> .....	1,337	1,303	1,327	1,315	1,237	1,085	1,011	1,100	1,093	1,101
M.	720	708	749	741	678	625	570	642	627	631
F.	617	595	578	574	559	460	441	458	466	470
Under 1 year.....	14	15	12	19	17	12	9	16	9	14
M.	6	11	11	10	10	7	3	9	6	5
F.	8	4	1	9	7	5	6	7	3	9
1 year.....	13	17	24	12	16	7	13	13	7	11
M.	6	10	17	6	7	3	8	3	2	5
F.	7	7	7	6	9	4	5	10	5	6
2 years.....	8	12	14	17	8	6	4	6	12	11
M.	5	2	7	7	4	4	2	5	4	5
F.	3	10	7	10	4	2	2	1	8	6
3 years.....	14	13	11	6	10	5	5	3	3	3
M.	7	8	10	3	3	1	2	2	1	..
F.	7	5	1	3	7	4	3	1	2	3
4 years.....	5	5	5	4	8	8	6	10	4	2
M.	4	3	3	1	4	3	3	4	3	1
F.	1	2	2	3	4	5	3	6	1	1

TABLE S (1)—DEATHS FROM TUBERCULOSIS (ALL FORMS), BY AGE AND SEX, ONTARIO, 1934-1943—Continued

Age-group	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
5-9 years.....	29	35	37	27	24	20	20	15	23	16
M.	14	16	24	13	9	11	15	8	12	7
F.	15	19	13	14	15	9	5	7	11	9
10-14 years.....	23	36	28	28	29	23	21	41	18	21
M.	10	20	13	11	11	8	4	11	7	7
F.	13	16	15	17	18	15	17	30	11	14
15-19 years.....	93	88	93	72	76	64	64	64	66	68
M.	27	35	37	29	28	24	33	30	26	23
F.	66	53	56	43	48	40	31	34	40	45
20-24 years.....	147	133	146	162	122	93	87	87	106	113
M.	62	46	60	61	50	43	36	32	47	49
F.	85	87	86	101	72	50	51	55	59	64
25-29 years.....	160	131	139	137	124	118	98	102	109	93
M.	79	53	57	56	54	52	34	42	46	41
F.	81	78	82	81	70	66	64	60	63	52
30-34 years.....	141	123	120	111	123	105	88	88	112	100
M.	67	61	60	62	67	50	42	43	64	59
F.	74	62	60	49	56	55	46	45	48	41
35-39 years.....	119	107	121	119	102	90	87	84	84	107
M.	78	60	76	71	69	53	52	51	47	62
F.	41	47	45	48	33	37	35	33	37	45
40-44 years.....	100	128	99	98	92	84	84	100	90	82
M.	64	85	64	64	54	57	55	66	57	51
F.	36	43	35	34	38	27	29	34	33	31
45-49 years.....	102	77	103	103	107	60	71	90	66	83
M.	63	50	64	79	69	39	51	62	43	53
F.	39	27	39	24	38	21	20	28	23	30
50-59 years.....	149	186	168	177	160	173	152	158	167	183
M.	101	126	123	136	108	133	109	121	134	130
F.	48	60	45	41	52	40	43	37	33	53
60-69 years.....	135	114	129	132	131	131	127	139	123	128
M.	85	75	80	87	82	87	80	103	79	94
F.	50	39	49	45	49	44	47	36	44	34
70-79 years.....	73	70	65	74	75	72	61	69	79	51
M.	39	40	38	39	42	42	35	41	40	33
F.	34	30	27	35	33	30	26	28	39	18
80 years and over.....	11	12	13	16	11	13	14	15	14	14
M.	2	6	5	5	5	7	6	9	8	6
F.	9	6	8	11	6	6	8	6	6	8

\*Totals include deaths where age was not stated.

TABLE S (2)—DEATH RATES PER 100,000 POPULATION FROM TUBERCULOSIS, BY AGE, ONTARIO, 1931, 1941, 1942 AND 1943

Age-group	1931	1941	1942	1943
<b>Total—All Causes</b> .....	<b>1040.4</b>	<b>1035.6</b>	<b>1007.2</b>	<b>1048.3</b>
<b>Total—Tuberculosis</b> .....	<b>50.4</b>	<b>29.0</b>	<b>28.1</b>	<b>28.1</b>
Under 1 year.....	42.8	26.9	12.5	17.9
1 year.....	56.0	23.3	12.5	15.2
2 years.....	17.5	9.4	21.6	18.3
3 years.....	25.0	5.0	4.7	5.3
4 years.....	7.9	17.0	6.6	3.1
5-9 years.....	9.9	5.0	7.6	5.4
10-14 years.....	14.5	12.6	5.5	6.5
15-19 years.....	41.4	18.9	19.1	20.4
20-24 years.....	79.3	26.9	31.4	32.8
25-29 years.....	85.8	32.3	33.5	28.9
30-34 years.....	74.2	30.7	37.6	33.1
35-39 years.....	60.8	31.3	30.5	38.6
40-44 years.....	52.9	39.9	35.4	31.8
45-49 years.....	51.9	38.7	27.8	34.7
50-59 years.....	56.6	39.9	41.0	44.3
60-69 years.....	64.5	52.3	44.9	45.6
70-79 years.....	67.2	48.9	54.5	34.7
80 years and over.....	50.3	34.2	31.8	30.4

### Mortality from Cancer

Chart 5 illustrates the steady upward trend in the mortality rate from cancer since the beginning of the century. The increase in the total number of deaths since 1934 is shown in Table T (1) and is apparent in most of the age-groups particularly among older persons. In addition the general cancer death rate has increased over the past decade, standing at 132.6 deaths per 100,000 population in 1943, as compared with 130.2 in 1941 and 113.8 in 1934. Table T (2) shows the rates from 1934 to 1943 by sex and indicates that the female rate is higher than the male rate, but the death rate for males has increased more rapidly than that for females.

TABLE T (1)—DEATHS FROM CANCER, BY AGE AND SEX, ONTARIO, 1934-1943

Age-group	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
<b>Deaths from all causes*</b> .....	<b>35,119</b>	<b>36,317</b>	<b>37,571</b>	<b>38,475</b>	<b>36,890</b>	<b>37,530</b>	<b>38,503</b>	<b>39,226</b>	<b>39,119</b>	<b>41,063</b>
M.	18,731	19,281	19,916	20,690	19,814	20,310	20,923	21,549	21,349	22,159
F.	16,388	17,036	17,655	17,785	17,076	17,220	17,580	17,677	17,770	18,904
<b>Deaths from Cancer*</b>	<b>4,034</b>	<b>4,214</b>	<b>4,441</b>	<b>4,547</b>	<b>4,472</b>	<b>4,567</b>	<b>4,847</b>	<b>4,931</b>	<b>5,005</b>	<b>5,193</b>
M.	1,885	1,952	2,050	2,173	2,083	2,171	2,303	2,367	2,384	2,526
F.	2,149	2,262	2,391	2,374	2,389	2,396	2,544	2,564	2,621	2,667

TABLE T (1)—DEATHS FROM CANCER, BY AGE AND SEX, ONTARIO, 1934-1943—  
Continued

Age-group	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
Under 5 years.....	14	9	16	17	11	13	11	16	16	22
M.	9	4	10	11	5	12	6	10	7	9
F.	5	5	6	6	6	1	5	6	9	13
5-14 years.....	12	19	10	16	22	19	12	14	16	18
M.	6	9	7	9	10	13	4	11	8	8
F.	6	10	3	7	12	6	8	3	8	10
15-24 years.....	27	29	28	30	32	26	33	34	32	33
M.	16	18	10	16	16	14	27	18	20	17
F.	11	11	18	14	16	12	6	16	12	16
25-34 years.....	85	97	69	90	91	76	80	76	63	87
M.	35	30	28	32	34	26	28	32	22	36
F.	50	67	41	58	57	50	52	44	41	51
35-44 years.....	246	253	276	271	282	241	292	302	284	335
M.	74	80	86	105	88	76	93	112	90	114
F.	172	173	190	166	194	165	199	190	194	221
45-49 years.....	225	266	256	270	273	258	283	282	299	306
M.	82	103	83	108	99	101	105	103	101	120
F.	143	163	173	162	174	157	178	179	198	186
50-54 years.....	376	374	384	404	369	400	447	402	400	405
M.	142	145	162	167	154	173	176	167	175	181
F.	234	229	222	237	215	227	271	235	225	224
55-59 years.....	417	458	464	477	476	493	564	543	573	559
M.	188	201	202	219	186	227	276	242	257	273
F.	229	257	262	258	290	266	288	301	316	286
60-64 years.....	534	537	540	574	528	588	586	613	658	670
M.	254	269	238	300	262	280	296	311	341	321
F.	280	268	302	274	266	308	290	302	317	349
65-69 years.....	559	588	646	624	653	623	672	699	747	737
M.	296	294	326	319	333	308	342	340	402	379
F.	263	294	320	305	320	315	330	359	345	358
70-74 years.....	647	616	644	669	651	677	696	688	664	708
M.	326	293	338	332	329	357	357	379	344	392
F.	321	323	306	337	322	320	339	309	320	316
75-79 years.....	481	517	595	604	584	601	602	631	586	628
M.	255	275	295	297	315	303	299	312	289	350
F.	226	242	300	307	269	298	303	319	297	278
80-84 years.....	270	310	344	333	328	356	374	420	419	437
M.	140	175	182	183	168	186	204	223	204	217
F.	130	135	162	150	160	170	170	197	215	220
85-89 years.....	103	119	131	132	146	150	149	176	201	198
M.	44	48	63	61	74	74	71	92	102	88
F.	59	71	68	71	72	76	78	84	99	110
90-94 years.....	33	19	34	33	17	37	33	33	36	41
M.	15	7	18	13	6	15	13	14	18	15
F.	18	12	16	20	11	22	20	19	18	26
95 and over.....	5	3	4	2	9	6	11	2	10	8
M.	3	1	2	.....	4	3	4	1	3	6
F.	2	2	2	2	5	3	7	1	7	2

\*Total includes deaths where age was not stated, as follows: 1933, 1 female; 1937, 1 male; 1939, 3 males; 1940, 2 males and 1942, 1 male and 1943 1 female.

TABLE T (2)—DEATH RATES PER 100,000 POPULATION FROM CANCER,  
BY SEX, ONTARIO, 1934-43

Year	Total	Male	Female
1934	113.8	104.5	123.5
1935	117.9	107.3	128.9
1936	123.2	111.7	135.0
1937	125.0	117.5	132.8
1938	121.8	111.6	132.4
1939	123.2	115.2	131.4
1940	129.4	121.0	138.0
1941	130.2	123.2	137.4
1942	128.9	121.3	136.7
1943	132.6	127.4	137.9

The number of deaths from cancer classified by sites affected is given in Table U for the period 1934 to 1943. Cancer of the digestive organs and peritoneum accounts for almost half of the deaths from this disease, with an increase of 15.8 per cent in the number of deaths occurring in this group since 1934. The number of deaths from cancer of the male and female genital and urinary organs has increased over 25 per cent since 1934, cancer of the breast 38 per cent, while cancer of the respiratory organs has more than doubled during the same period.

TABLE U—DEATHS, AND DEATH RATES PER 100,000 POPULATION,  
FROM CANCER, CLASSIFIED BY SITES AFFECTED, 1934-1943

Site (Int. List Nos. 45-55) (5th Revision)	DEATHS									
	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
Total Deaths	4,034	4,214	4,441	4,547	4,472	4,567	4,847	4,931	5,005	5,193
M.	1,885	1,952	2,050	2,173	2,083	2,171	2,303	2,367	2,384	2,526
F.	2,149	2,262	2,391	2,374	2,389	2,396	2,544	2,564	2,621	2,667
Buccal cavity and pharynx	172	167	131	166	157	154	175	166	164	192
M.	146	132	109	131	126	132	152	139	121	158
F.	26	35	22	35	31	22	23	27	43	34
Digestive organs and peritoneum	2,092	2,123	2,250	2,314	2,227	2,263	2,388	2,430	2,446	2,522
M.	1,121	1,119	1,181	1,247	1,200	1,217	1,280	1,304	1,326	1,358
F.	971	1,004	1,069	1,067	1,027	1,046	1,108	1,126	1,120	1,164
Respiratory system	114	156	170	204	190	209	263	276	302	335
M.	72	112	107	147	128	156	198	211	230	241
F.	42	44	63	57	62	53	65	65	72	94
Uterus	374	353	343	356	381	341	367	362	374	360
Other female genital organs	116	118	128	132	135	130	146	174	147	163



TABLE U—DEATHS, AND DEATH RATES PER 100,000 POPULATION, FROM  
 CANCER, CLASSIFIED BY SITES AFFECTED, 1934-1943—Continued

Site (Int. List Nos. 45-55) (5th Revision)	DEATHS									
	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
Male genital organs..								276	269	301
Urinary organs.....	320	369	408	415	399	424	420	247	273	311
M.)								170	172	207
F.)	61	87	72	70	62	89	91	77	101	104
Breast.....	401	424	525	464	496	532	533	542	564	560
M.)	5	6	8	5	2	6	15	6	8	4
F.)	396	418	517	459	494	526	518	536	556	556
Skin.....	84	87	99	89	83	94	85	93	86	90
M.)	56	51	66	52	46	57	46	62	60	67
F.)	28	36	33	37	37	37	39	31	26	23
Brain and other parts of central nervous system.....	81	88	77	91	105	89	99	81	90	81
M.)	49	43	46	54	56	48	53	49	55	48
F.)	32	45	31	37	49	41	46	32	35	33
Other and unspecified organs.....	219	242	238	246	237	242	280	284	290	278
M.)	116	120	125	122	126	131	139	150	143	142
F.)	103	122	113	124	111	111	141	134	147	136
	DEATH RATE PER 100,000 POPULATION									
<b>Total Deaths.....</b>	<b>113.8</b>	<b>117.9</b>	<b>123.2</b>	<b>125.0</b>	<b>121.8</b>	<b>123.2</b>	<b>129.4</b>	<b>130.2</b>	<b>128.9</b>	<b>132.6</b>
Buccal cavity and pharynx.....	4.7	4.5	3.6	4.5	4.2	4.1	4.7	4.4	4.3	4.9
Digestive organs and peritoneum.....	57.6	57.8	61.0	62.4	59.7	60.3	63.5	64.2	64.0	64.4
Respiratory system..	3.1	4.2	4.6	5.5	5.1	5.6	7.0	7.3	7.9	8.6
Uterus.....								9.6	9.8	9.2
Other female genital organs.....	24.0	25.2	25.8	26.2	26.2	26.2	27.2	4.6	3.8	4.2
Male genital organs..								7.3	7.0	7.7
Urinary organs.....								6.5	7.1	7.9
Breast.....	11.0	11.5	14.2	12.5	13.3	14.2	14.2	14.3	14.7	14.3
Skin.....	2.3	2.4	2.7	2.4	2.2	2.5	2.3	2.5	2.2	2.3
Brain and other parts of central nervous system.....	2.2	2.4	2.1	2.5	2.8	2.4	2.6	2.1	2.4	2.1
Other and unspecified organs.....	6.0	6.6	6.5	6.6	6.4	6.4	7.4	7.5	7.6	7.1

NOTE: Cancer of male genital organs and of urinary organs was not tabulated separately for the years 1934 to 1940.

### Mortality from Pneumonia

In Chart 5 it is readily seen that the death toll from one disease, namely tuberculosis, has been very rapidly reduced over the past 40 years. On the other hand, the death toll from cancer has shown almost a steady incline. Also included in the chart is a curve portraying the trend in the death rate from pneumonia, a disease which may be affected by epidemics as illustrated by the peaks of 1907, 1916 and 1918. During the twenty years from 1924 to 1943 the death toll from this disease showed a general downward trend indicating the effect of the public health programme. The decrease was more noticeable after the introduction of the sulpha drugs for the treatment of respiratory diseases. The rate was 76.2 per 100,000 in 1924; 44.2 in 1941 and 51.9 in 1943.

### Special Classes of Accidental Deaths

Table V shows that of 2,266 accidental deaths in 1943, cross-classified according to nature of injury, 908 were attributable to crushing, 760 to falls, 306 to drowning, 135 to burns and 157 to poisonous gas, suffocation, electrocution, etc. Of those injured by crushing, 471 deaths were attributable to automobile accidents (excluding trains or street-cars), 71 to railway accidents (excluding motor vehicles) and 129 to air transport accidents.

TABLE V—SPECIAL CLASSES OF ACCIDENTAL DEATHS CLASSIFIED  
ACCORDING TO NATURE OF INJURY, ONTARIO, 1943

(These accidental deaths are classified according to circumstances involving the accident under rubrics 169 to 176, 178, 180, 181, 182, 183, 185, 186, 187 and 193.)

Int. List No.	CAUSES OF DEATH	M.	F.
	<b>Accidental absorption of poisonous gas</b> .....	<b>27</b>	<b>27</b>
178	Accidental absorption of poisonous gas.....	18	21
189	Conflagration.....	9	6
	<b>Accidental burns</b> .....	<b>92</b>	<b>43</b>
169	Railway accidents (excluding motor vehicles).....	2	...
170c	Automobile accidents (excluding trains or street-cars).....	3	...
172	Water transport accidents.....	4	...
173	Air transport accidents.....	9	...
175a	Accidents involving agricultural machinery and vehicles.....	1	...
180	Conflagration.....	28	12
181	Accidental burns (conflagration excepted).....	45	31
	<b>Accidental mechanical suffocation</b> .....	<b>36</b>	<b>26</b>
170c	Automobile accidents (excluding trains or street-cars).....	...	1
174	Accidents in mines and quarries.....	1	...
175c	Other forestry accidents.....	1	...
176	Other accidents involving machinery.....	...	1
182	Accidental mechanical suffocation.....	34	24
	<b>Accidental drowning</b> .....	<b>270</b>	<b>36</b>
170c	Automobile accidents (excluding trains or street-cars).....	5	...
172	Water transport accidents.....	52	7
173	Air transport accidents.....	3	2
175e	Other forestry accidents.....	3	...
183	Accidental drowning.....	207	27

TABLE V—SPECIAL CLASSES OF ACCIDENTAL DEATHS CLASSIFIED  
ACCORDING TO NATURE OF INJURY, ONTARIO, 1943—Continued

(These accidental deaths are classified according to circumstances involving the accident under rubrics 169 to 176, 178, 180, 181, 182, 183, 185, 186, 187 and 193.)

Int. List No.	CAUSES OF DEATH	M.	F.
	<b>Accidental injury by cutting or piercing instruments.....</b>	<b>15</b>	<b>1</b>
170c	Automobile accidents (excluding trains or street-cars).....	2	...
175a	Accidents involving agricultural machinery and vehicles.....	1	...
175e	Other forestry accidents.....	1	...
176	Other accidents involving machinery.....	...	1
185	Accidental injury by cutting or piercing instruments.....	11	...
	<b>Accidental injury by fall.....</b>	<b>322</b>	<b>438</b>
169	Railway accidents (excluding motor vehicles).....	4	...
170c	Automobile accidents (excluding trains or street-cars).....	9	5
170d	Motorcycle accidents (excluding automobiles).....	1	...
171b	Other road transport accidents (excluding street-cars, trains and motor vehicles).....	7	1
172	Water transport accidents.....	1	...
173	Air transport accidents.....	1	...
174	Accidents in mines and quarries.....	2	...
175a	Accidents involving agricultural machinery and vehicles.....	6	...
175b	Injury by animals, in agriculture.....	2	...
175c	Other agricultural accidents.....	6	...
176	Other accidents involving machinery.....	1	...
186a	Accidental injury by fall.....	282	432
	<b>Accidental injury by crushing.....</b>	<b>752</b>	<b>156</b>
169	Railway accidents (excluding motor vehicles).....	64	7
170a	Collisions with trains.....	26	12
170b	Collisions with street-cars.....	7	4
170c	Automobile accidents (excluding trains or street-cars).....	356	115
170d	Motorcycle accidents (excluding automobiles).....	7	1
171a	Street-car accidents (excluding trains and motor vehicles).....	16	10
171b	Other road transport accidents (excluding street-cars, trains and motor vehicles).....	8	1
172	Water transport accidents.....	1	...
173	Air transport accidents.....	129	...
174	Accidents in mines and quarries.....	27	...
175a	Accidents involving agricultural machinery and vehicles.....	19	...
175b	Injury by animals, in agriculture.....	21	...
175c	Other agricultural accidents.....	7	...
175d	Accidents involving forestry machinery and vehicles.....	6	...
175e	Other forestry accidents.....	10	...
176	Other accidents involving machinery.....	24	1
186b	Accidental injury by crushing.....	24	5
	<b>Accidents due to electric currents.....</b>	<b>23</b>	<b>2</b>
175c	Other agricultural accidents.....	1	...
193	Accidents due to electric currents.....	22	2

### Marriages

From Table W it will be noted that there have been significant fluctuations in the number of marriages in the province since 1922, each of which have reflected general economic trends. For example, there was a general increase in marriages and in the marriage rate leading up to 1929, a prosperity period, followed by a decline coincident with the depression period which continued till approximately

1933. This was followed by a return to a more stable economic condition which is reflected by an increase in both the total number of marriages and the marriage rates. The effect of the war is clearly apparent in the relatively high rates of 11.0, 11.4 and 11.7 per 1,000 population during the three years, 1940, 1941 and 1942. In 1943 the rate is 9.2, slightly lower than in 1939.

TABLE W—MARRIAGES AND MARRIAGE RATES PER 1,000 POPULATION, ONTARIO, 1922-1943

Year	Number	Rate per 1,000 Population	Year	Number	Rate per 1,000 Population
1922	23,360	7.8	1933	22,587	6.4
1923	24,842	8.2	1934	25,874	7.3
1924	24,038	7.9	1935	26,843	7.5
1925	23,074	7.4	1936	27,734	7.7
1926	23,632	7.5	1937	29,893	8.2
1927	24,677	7.7	1938	30,080	8.2
1928	25,728	7.8	1939	34,657	9.3
1929	27,605	8.3	1940	41,229	11.0
1930	25,605	7.6	1941	43,270	11.4
1931	23,771	6.9	1942	45,466	11.7
1932	22,224	6.4	1943	36,109	9.2

### Divorces

In Ontario, divorced persons form a very small proportion of the population as compared with some of the other countries of the world. The following summary indicates the number and percentages of such persons in the population of the province as enumerated in the past three censuses.

	1921*	1931	1941
Divorced persons—Male	1,135	1,071	2,291
Female	1,369	1,015	2,865
Per cent of population—Male	0.08	0.06	0.12
Female	0.09	0.06	0.15

\*Including legal separations.

An historical summary of the number of marriages dissolved in Ontario since 1919 is presented in Table X. Previous to 1920 very few divorces were granted in the province. There was no appreciable increase in the number till the late 1920's, but since the transfer in 1930 of jurisdiction from the Dominion Parliament to provincial courts there has been a steady annual increase (except in 1937) in the number of divorces. Previous to 1930 a record number of 213 (1928) divorces were granted. From an annual average of somewhat over 300 in the early 1930's the number has increased rapidly to 949 in 1941, 1,185 in 1942 and 1,243 in 1943, representing an increase in the rate per 100,000 population of from 9 or 10 to 32 in 1943.

In the early 1920's the majority of the successful applicants were husbands, but since that period dissolutions granted on the application of wives have been in the great majority. Since 1935 for every 1,000 divorces granted to wives, an average of 550 have been granted to husbands as applicants, the ratio in 1943 being 631 per 1,000 divorces granted to wives.

**TABLE X—DISSOLUTIONS OF MARRIAGE (DIVORCES) AND RATE PER 100,000 POPULATION, 1919-1943, AND RATIO OF DISSOLUTIONS TO MALES AND FEMALES, 1935-1943**

Year	Dissolutions of Marriage	Rate per 100,000 Population	Year	Dissolutions of Marriage	Rate per 100,000 Population	Year	Dissolutions of Marriage	Rate per 100,000 Population	DISSOLUTIONS GRANTED TO—		Ratio of Dissolutions to Males per 1,000 Dissolutions to Females
									Husbands	Wives	
1919	46	1.6	1927	181	5.6	1935	491	13.7	180	311	579
1920	89	3.1	1928	213	6.5	1936	519	14.4	174	340	512
1921	96	3.3	1929	207	6.2	1937	607	16.7	209	398	525
1922	91	3.1	1930	204	6.0	1938	824	22.4	294	530	555
1923	102	3.4	1931	91*	2.7	1939	747	20.1	258	489	528
1924	113	3.7	1932	343*	9.9	1940	916	24.4	330	586	563
1925	119	3.8	1933	307	8.7	1941	949	25.1	339	610	556
1926	111	3.5	1934	365	10.3	1942	1185	30.5	433	752	576
						1943	1243	31.7	481	762	631

\*Represents effect of transfer of jurisdiction from Dominion Parliament to provincial Supreme Court and consequent time-lag between granting of decree nisi and decree absolute.

The following summary shows the remarriages, during the past seven years, of divorced persons classified according to the marital status of both contracting parties.

Years	MARRIAGES BETWEEN—					Total Divorced Persons Remarrying
	Divorced Women and		Divorced Men and			
	Bachelors	Widowers	Spinsters	Widows	Divorced Women	
1937	46	28	104	13	10	211
1938	31	15	75	4	11	147
1939	64	22	97	8	15	221
1940	18	13	34	4	10	89
1941	20	20	47	16	11	125
1942	37	26	53	8	9	142
1943	58	18	81	12	19	207

TABLE Y—MATERNAL MORTALITY IN CITIES, TOWNS AND VILLAGES  
OF 5,000 POPULATION AND OVER, ONTARIO, 1943.

(As of Census Year 1941)

Cities, Towns and Villages (5,000 population and over)	Total.		Institutional		Non-institutional	
	Live births	Deaths from puerperal causes	Live births	Deaths from puerperal causes	Live births	Deaths from puerperal causes
Barrie.....	486	3	454	3	32	...
Belleville.....	1,011	5	978	5	33	...
Brampton.....	328	...	326	...	2	...
Brantford.....	978	4	900	4	78	...
Brockville.....	495	2	486	2	9	...
Chatham.....	1,209	7	1,155	6	54	1
Cobourg.....	203	...	174	...	29	...
Collingwood.....	297	...	257	...	40	...
Cornwall.....	823	4	715	4	108	...
Dundas.....	12	...	...	...	12	...
Eastview.....	100	...	...	...	100	...
Forest Hill.....	6	...	...	...	6	...
Fort Erie.....	273	1	271	1	2	...
Fort Francis.....	203	1	180	1	23	...
Fort William.....	751	2	721	2	30	...
Galt.....	438	2	404	2	34	...
Guelph.....	371	...	344	...	27	...
Hamilton.....	4,726	11	4,551	11	175	...
Hawkesbury.....	333	...	170	...	163	...
Ingersoll.....	211	...	193	...	18	...
Kenora.....	253	...	250	...	3	...
Kingston.....	1,502	1	1,452	1	50	...
Kitchener.....	1,282	3	1,233	3	49	...
Leamington.....	265	...	170	...	95	...
Leaside.....	6	...	...	...	6	...
Lindsay.....	390	2	372	2	18	...
London.....	2,337	6	2,284	6	53	...
Long Branch.....	24	...	1	...	23	...
Midland.....	255	...	225	...	30	...
Mimico.....	73	...	33	...	46	...
New Toronto.....	34	...	2	...	32	...
Niagara Falls.....	743	1	724	1	19	...
North Bay.....	488	1	416	1	78	...
Orillia.....	421	2	405	1	16	1
Oshawa.....	842	...	800	...	42	...
Ottawa.....	4,541	8	4,224	8	317	...
Owen Sound.....	503	1	452	1	51	...
Parry Sound.....	449	1	414	1	35	...
Pembroke.....	562	1	493	1	69	...
Peterborough.....	995	4	965	4	30	...
Port Arthur.....	848	3	842	3	6	...
Port Colborne.....	152	...	3	...	149	...
Port Hope.....	155	...	153	...	2	...
Freston.....	7	...	1	...	6	...
Renfrew.....	297	3	276	2	21	1
St. Catharines.....	1,182	4	1,099	4	83	...
St. Thomas.....	735	1	715	1	20	...
Sarnia.....	707	...	684	...	23	...
Sault Ste. Marie.....	901	1	796	...	105	1
Simcoe.....	434	2	418	2	16	...
Smiths Falls.....	204	...	195	...	9	...
Stratford.....	541	2	528	2	13	...
Sudbury.....	1,915	6	1,298	6	617	...
Swinson.....	3	...	...	...	3	...
Thorold.....	77	...	58	...	19	...
Timmins.....	829	2	476	2	353	...
Toronto.....	15,133	31	14,139	28	994	3
Trenton.....	84	...	...	...	84	...
Waterloo.....	26	...	1	...	25	...
Welland.....	832	3	769	3	63	...
Winston.....	177	...	149	...	28	...
Whitby.....	16	1	2	1	14	...
Windsor.....	3,442	8	3,152	7	290	1
Woodstock.....	415	...	404	...	11	...
<b>Total cities, towns and villages of 5,000 and over.....</b>	<b>58,331</b>	<b>140</b>	<b>53,346</b>	<b>132</b>	<b>4,985</b>	<b>8</b>
<b>Remainder of Province.....</b>	<b>22,842</b>	<b>49</b>	<b>9,214</b>	<b>24</b>	<b>13,628</b>	<b>25</b>
<b>Grand total.....</b>	<b>81,173</b>	<b>189</b>	<b>62,560</b>	<b>156</b>	<b>18,613</b>	<b>33</b>

TABLE Z—DEATHS FROM TUBERCULOSIS, 1943

Rates per 100,000 Population.

Counties (exclusive of Cities, Towns and Villages of 5,000 and over)	Place of Occurrence		Place of Residence		Cities, Towns and Villages of 5,000 and over) As at Census 1941	Place of Occurrence		Place of Residence	
	Number	Rate	Number	Rate		Number	Rate	Number	Rate
Algoma	3	11.4	14	53.4	Barrie	...	...	1	9.5
Brant	33	138.7	11	46.2	Belleville	5	32.0	6	38.4
Bruce	2	4.6	7	16.2	Brampton	...	...	...	...
Carleton	3	8.1	4	10.9	Brantford	5	14.3	12	34.4
Cochrane	19	33.4	40	70.4	Brockville	5	45.0	5	45.0
Dufferin	...	...	4	27.5	Chatham	3	16.6	7	38.8
Dundas	1	6.0	2	11.9	Cobourg	...	...	3	53.5
Durham	2	9.4	5	23.6	Collingwood	1	15.2	2	30.4
Elgin	1	3.3	3	10.0	Cornwall	3	21.1	8	56.2
Essex	2	3.5	9	15.9	Dundas	...	...	...	...
Frontenac	9	40.4	9	40.4	Eastview	1	11.6	4	46.3
Glenarry	20	103.2	7	36.1	Forest Hill	...	...	...	...
Grenville	2	12.1	9	54.4	Fort Erie	1	14.1	...	...
Grey	...	...	3	6.6	Fort Francis	1	18.0	5	90.2
Haldimand	1	4.4	4	17.7	Fort William	27	93.1	7	24.1
Haliburton	...	...	...	...	Galt	...	...	3	20.4
Halt	1	3.4	4	13.6	Guelph	1	4.3	4	17.2
Hastings	2	5.0	6	14.9	Hamilton	12	6.9	50	28.6
Huron	4	8.8	9	19.9	Hawkesbury	7	113.3	8	129.5
Kenora (including Patricia)	24	87.1	32	116.2	Ingersoll	...	...	2	34.3
Kent	1	2.0	11	21.8	Kenora	3	39.3	3	39.3
Lambton	3	7.7	7	18.0	Kingston	26	78.2	14	42.1
Lanark	6	22.6	14	52.7	Kitchener	2	5.5	7	19.3
Leeds	1	3.8	11	42.1	Leamington	...	...	1	17.8
Lennox and Addington	2	10.5	9	47.1	Leaside	...	...	...	...
Lincoln	17	51.9	4	12.2	Lindsay	1	13.0	4	52.1
Manitoulin	5	44.6	7	62.4	London	10	12.0	18	21.6
Middlesex	76	158.2	7	14.6	Long Branch	1	18.8	4	75.2
Muskoka	41	181.6	9	39.9	Midland	...	...	...	...
Nipissing	2	6.9	9	31.2	Mimico	...	...	1	11.9
Norfolk	1	3.2	6	19.5	New Toronto	...	...	1	10.2
Northumberland	...	...	3	11.4	Niagara Falls	2	10.5	6	31.4
Ontario	3	8.7	5	14.4	North Bay	1	6.3	3	18.9
Oxford	46	135.4	5	14.7	Orillia	...	...	1	10.0
Parry Sound	4	15.9	10	39.7	Oshawa	2	7.4	3	11.2
Peel	1	3.8	4	15.1	Ottawa	94	57.3	79	48.2
Perth	1	2.9	6	17.5	Owen Sound	...	...	1	7.4
Peterborough	1	4.8	4	19.0	Parry Sound	1	16.9	1	16.9
Prescott	4	20.1	7	35.1	Pembroke	2	17.1	8	68.4
Prince Edward	...	...	...	...	Peterborough	...	...	4	14.3
Rainy River	...	...	2	14.0	Port Arthur	9	35.9	12	47.9
Renfrew	1	2.5	5	12.7	Port Colborne	1	13.9	2	27.8
Russell	3	16.6	5	27.7	Port Hope	1	20.4	1	20.4
Simcoe	5	8.9	7	12.5	Preston	...	...	2	29.8
Stormont	2	7.1	5	17.8	Renfrew	1	17.6	...	...
Sudbury	4	8.4	12	25.1	St. Catharines	1	2.9	4	11.6
Thunder Bay	10	29.4	18	52.8	St. Thomas	1	5.6	3	16.9
Timiskaming	44	84.1	27	51.6	Sarnia	3	14.9	2	10.0
Victoria	1	5.2	3	15.7	Sault Ste. Marie	5	18.2	9	32.7
Waterloo	19	54.5	5	14.3	Simcoe	...	...	3	49.6
Welland	1	2.4	9	21.3	Smith's Falls	4	51.9	5	64.9
Wellington	4	10.5	6	15.7	Stratford	1	5.8	2	11.7
Wentworth	140	417.9	4	11.9	Sudbury	7	19.5	9	25.1
York	123	49.0	32	12.7	Swansea	...	...	1	14.1
Outside of Ontario	...	...	14	...	Thorold	...	...	...	...
					Timmins	4	15.4	17	65.4
					Toronto	99	14.7	218	32.3
					Trenton	...	...	...	...
					Waterloo	...	...	2	21.1
					Welland	1	6.3	3	19.0
					Weston	...	...	1	15.8
					Whitby	2	30.9	...	...
					Windsor	37	31.3	31	26.3
					Woodstock	6	46.5	3	23.2
					Outside of Ontario	...	...	11	...





PART II

Detailed Tables, 1943



Table 1—General Summary of Births, Deaths and Marriages in the Province of Ontario by Counties (including Cities, Towns and Villages), 1943

(As at Census 1941)

COUNTIES	Estimated population	BIRTHS (exclusive of stillbirths)				Ratio per 1,000 of population	DEATHS										Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population
		Total	M	F	Total		All ages			Under 1 year		1-4 years		5 years and over						
							M	F	M	F	M	F	M	F						
Total.....	3,917,000	81,173	41,592	39,581	20.7	41,063	22,159	18,904	1,935	1,455	348	257	19,876	17,192	10.5	2,060	36,109	9.2		
Algoma.....	53777	1248	667	581	23.2	441	251	190	33	24	5	3	213	163	8.2	38	397	7.4		
Brant.....	58632	1322	695	627	22.5	725	404	321	36	15	5	3	363	303	12.4	22	550	9.4		
Bruce.....	43103	685	325	360	15.9	461	241	220	14	17	2	3	225	200	10.7	17	222	5.2		
Carleton.....	209436	4856	2527	2329	23.2	2313	1184	1129	118	99	23	20	1043	1010	11.0	173	2337	11.2		
Cochrane.....	82824	2038	1066	972	24.6	458	276	182	65	44	12	8	199	130	5.5	64	453	5.5		
Dufferin.....	14555	267	140	127	18.3	173	85	88	2	3	.....	.....	83	85	11.9	9	82	5.6		
Dundas.....	16764	258	120	130	15.3	132	69	63	6	6	.....	.....	63	57	7.9	6	112	6.7		
Durham.....	26076	402	209	193	15.4	312	173	139	8	12	1	.....	164	127	12.0	9	191	7.3		
Elgin.....	47726	876	458	418	18.4	544	290	254	24	10	2	.....	261	242	11.4	18	384	8.0		
Essex.....	180180	4234	2146	2088	23.5	1702	974	728	114	76	27	9	833	643	9.4	102	1745	9.7		
Frontenac.....	55552	1653	859	794	29.8	775	441	334	44	22	5	2	392	310	14.0	51	618	11.1		
Glengarry.....	19371	294	163	131	15.2	160	88	72	11	2	2	.....	75	70	8.3	8	122	6.3		
Grenville.....	16535	148	67	81	9.0	185	96	89	8	4	1	1	87	84	11.2	8	128	7.7		
Grey.....	59113	1031	524	507	17.4	719	370	349	29	22	3	1	338	326	12.2	31	384	6.5		
Haldimand.....	22600	393	192	201	17.4	230	144	86	5	2	1	1	138	78	10.2	7	175	7.7		
Haliburton.....	6924	112	55	57	16.2	41	24	17	1	2	.....	.....	23	15	5.9	3	29	4.2		
Halton.....	29488	272	141	131	9.2	240	128	112	5	4	5	3	118	105	8.1	3	192	6.5		
Hastings.....	65485	1678	871	807	25.6	756	432	324	57	45	7	7	368	272	11.5	45	608	9.3		
Huron.....	45236	899	465	434	19.9	596	329	267	17	14	1	3	311	250	13.2	25	355	7.8		
Kenora.....	24571	545	294	251	22.2	236	138	98	18	20	15	6	105	72	9.6	18	142	5.8		
Kent.....	68611	1558	805	752	22.7	758	414	344	33	28	8	4	373	312	11.0	30	559	8.1		
Lambton.....	58868	1141	590	551	19.4	663	372	291	28	20	2	5	342	266	11.3	27	445	7.6		
Lanark.....	34274	680	351	329	19.8	394	210	184	13	10	1	4	196	170	11.5	17	240	7.0		
Leeds.....	37273	729	375	354	19.6	492	268	224	21	12	4	1	243	211	13.2	20	319	8.6		
Lennox & Addington.....	19101	243	123	120	12.7	161	87	74	3	5	.....	.....	84	68	8.4	3	135	7.1		
Lincoln.....	67287	1491	742	749	22.2	639	344	295	29	19	7	4	308	272	9.5	33	697	10.4		
Manitoulin.....	11211	252	133	119	22.5	104	52	52	5	9	3	2	44	41	9.3	6	41	3.7		
Middlesex.....	131509	2749	1396	1353	20.9	1946	1076	870	75	33	12	13	989	824	14.8	59	1309	10.0		
Muskoka.....	22581	408	205	203	18.1	257	159	98	11	6	1	.....	147	92	11.4	21	154	6.8		
Nipissing.....	44794	1110	561	549	24.8	362	197	165	39	29	4	5	154	131	8.1	21	298	6.7		
Norfolk.....	36828	684	327	357	18.6	311	163	148	18	12	2	2	143	134	8.4	22	263	7.1		
Northumberland.....	31836	450	240	210	14.1	340	185	155	9	7	2	2	174	146	10.7	12	223	7.0		
Ontario.....	67962	1127	584	543	16.6	749	378	371	20	21	5	4	353	346	11.0	15	564	8.3		
Oxford.....	52715	1123	608	515	21.3	700	396	304	27	14	4	3	365	287	13.3	25	427	8.1		
Parry Sound.....	31110	783	395	388	25.2	247	146	101	20	11	5	1	121	89	7.9	18	208	6.7		
Peel.....	32616	431	229	202	13.2	298	177	121	9	4	3	3	165	114	9.1	15	257	7.9		
Perth.....	51392	953	487	466	18.5	599	289	310	17	14	3	3	269	293	11.7	15	349	6.8		
Peterborough.....	49010	1120	560	560	22.9	578	323	255	26	19	3	3	294	233	11.8	36	430	8.8		
Prescott.....	26123	824	415	409	31.5	299	160	139	26	30	2	4	132	105	11.4	15	258	9.9		
Prince Edward.....	17322	320	142	178	18.5	255	140	115	6	7	2	3	132	105	14.7	5	106	6.1		
Rainy River.....	19785	415	210	205	21.0	161	100	61	16	12	3	3	81	46	8.1	5	103	5.2		
Renfrew.....	56588	1350	729	621	23.9	566	313	253	41	25	1	4	271	224	10.0	43	470	8.3		
Russell.....	18044	433	224	209	24.0	145	69	76	14	19	1	3	54	54	8.0	8	136	7.5		
Simcoe.....	90030	2014	996	1018	22.4	1114	606	508	38	46	16	5	552	457	12.4	54	781	8.7		
Stromont.....	42301	1153	578	575	27.3	454	270	184	51	21	5	6	214	157	10.7	34	374	8.8		
Sudbury.....	83575	2770	1391	1379	33.1	598	371	227	100	73	12	10	259	144	7.2	66	634	7.6		
Thunder Bay.....	88109	1832	931	901	20.8	655	408	247	27	29	5	7	376	211	7.4	44	726	8.4		
Timiskaming.....	52332	1065	548	517	20.4	315	186	129	29	26	7	6	150	97	6.0	18	228	4.2		
Victoria.....	26820	471	237	234	17.6	327	184	143	6	4	1	1	177	138	12.2	19	202	7.5		
Waterloo.....	102091	2016	1062	954	19.7	986	488	498	29	30	9	3	450	468	9.7	52	976	9.6		
Welland.....	97041	2295	1225	1070	23.6	822	480	342	51	21	5	4	424	317	8.5	51	1047	10.8		
Wellington.....	61483	1110	576	534	18.1	702	351	351	20	17	4	4	327	330	11.4	32	459	7.5		
Wentworth.....	213781	4833	2443	2390	22.6	2591	1359	1232	84	87	17	10	1258	1135	12.1	120	2413	11.3		
York.....	984043	17942	9132	8810	18.2	10259	5291	4968	376	284	69	55	486	4629	10.4	434	11037	11.2		
District of Patricia.....	16606	87	49	38	8.2	17	10	7	3	3	.....	.....	4	1.6	8	15	1.4			

Table 2—General Summary of Births, Deaths and Marriages in the Province of Ontario by Counties (excluding Cities, Towns and Villages of 5,000 population and over), 1943 (As at Census 1941)

COUNTIES	Estimated population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000 of population	DEATHS								Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population	
		Total	M	F		All ages			Under 1 year		1-4 years		5 years and over					
						Total	M	F	M	F	M	F	M					F
Total, including all municipalities.....	3,917,000	81,173	41,592	39,581	20.7	41,063	22,159	18,904	1,935	1,455	348	257	19,876	17,192	10.5	2,060	36,109	9.2
Total excluding cities, towns and villages of 5,000 and over...	1,884,953	22,842	11,745	11,097	12.1	15,582	8,654	6,928	608	470	139	98	7,907	6,360	8.3	582	10,151	5.4
Algoma.....	26240	347	181	166	13.2	158	99	59	10	10	1	1	88	48	6.0	18	82	3.1
Brant.....	23784	344	174	170	14.5	289	168	121	12	5	1	1	155	116	12.2	3	126	5.3
Bruce.....	43103	685	325	360	15.9	461	241	220	14	17	2	3	225	200	10.7	17	222	5.2
Carleton.....	36861	215	116	99	5.8	238	136	102	7	6	2	2	126	94	6.5	5	252	6.8
Cochrane.....	56824	1209	643	566	21.3	303	189	114	39	25	8	6	142	83	5.3	42	251	4.4
Dufferin.....	14555	267	140	127	18.3	173	85	88	2	3	1	1	83	85	11.9	9	82	5.6
Dundas.....	16764	258	128	130	15.4	132	69	63	6	6	1	1	63	57	7.9	6	112	6.7
Durham.....	21166	247	134	113	11.7	240	130	110	5	8	1	1	124	102	11.3	6	139	6.6
Elgin.....	29923	141	71	70	4.7	266	148	118	4	2	1	1	143	116	8.2	2	180	6.0
Essex.....	56521	527	277	250	9.3	353	213	140	16	6	5	4	192	130	6.2	15	340	6.0
Frontenac.....	22285	151	94	57	6.8	216	133	83	8	3	1	1	124	80	9.7	5	115	5.2
Glengarry.....	19371	294	163	131	15.2	160	88	72	11	2	2	2	75	70	8.3	8	122	6.3
Grenville.....	16353	148	67	81	9.0	185	96	89	8	4	1	1	87	84	11.2	8	128	7.7
Grey.....	45522	228	265	263	11.6	476	243	233	16	9	1	1	226	223	10.5	15	244	5.4
Haldimand.....	22600	393	192	201	17.4	230	144	86	5	7	1	1	138	78	10.2	7	175	7.7
Haliburton.....	6924	112	55	57	16.2	41	24	17	1	2	1	1	23	15	5.9	3	29	4.2
Halton.....	29488	272	141	131	9.2	240	128	112	5	4	5	3	118	105	8.1	3	192	6.5
Hastings.....	41297	583	304	279	14.5	335	172	163	18	16	2	3	152	144	8.3	16	254	6.8
Huron.....	45236	899	465	434	19.9	596	329	267	17	14	1	3	311	250	13.2	25	355	7.8
Kenora.....	16941	292	151	141	17.2	172	101	71	15	15	13	6	73	50	10.2	9	77	4.5
Kent.....	50554	349	168	181	6.9	351	193	158	4	10	3	2	186	146	6.9	4	327	6.5
Lambton.....	38786	434	224	210	11.2	379	214	165	9	11	2	2	205	152	9.8	10	219	5.6
Lanark.....	26566	476	255	221	17.9	296	158	138	8	7	1	3	150	128	11.1	9	162	6.1
Leeds.....	26157	234	123	111	8.7	262	137	125	3	4	1	1	134	124	10.0	7	133	5.1
Lennox & Addington.....	19101	243	123	120	12.7	161	87	74	3	5	1	1	84	68	8.4	3	135	7.1
Lincoln.....	32746	309	152	157	9.4	241	136	105	7	2	3	1	126	102	7.4	4	216	6.6
Manitoulin.....	11211	252	133	119	22.5	104	52	52	5	9	3	2	44	41	9.3	6	41	3.7
Middlesex.....	48650	412	216	196	8.6	572	354	218	14	5	6	1	334	212	11.9	6	258	5.4
Muskoka.....	22581	408	205	203	18.1	257	159	98	11	6	1	1	147	92	11.4	21	154	6.8
Nipissing.....	28888	622	310	312	21.5	199	110	83	24	16	3	2	83	71	6.9	13	153	5.3
Norfolk.....	30781	250	127	123	8.1	187	103	84	10	1	1	1	92	83	6.1	8	154	5.0
Northumberland.....	26230	247	129	118	9.4	238	132	106	8	5	1	2	123	99	9.1	6	159	6.1
Ontario.....	34641	269	149	120	7.8	296	159	137	8	6	2	2	149	129	8.5	2	185	5.5
Oxford.....	33976	497	245	252	14.6	406	242	164	12	9	4	2	226	153	11.9	12	204	6.0
Parry Sound.....	25190	334	158	176	13.3	155	93	62	5	6	5	1	83	55	6.2	5	114	4.5
Peel.....	26459	103	55	48	3.9	200	118	82	5	3	3	1	110	78	7.6	5	185	7.0
Perth.....	34231	412	202	210	12.0	321	152	169	7	6	2	2	143	161	9.4	9	190	5.6
Peterborough.....	21065	125	62	63	6.0	163	100	63	6	5	1	1	93	58	7.8	8	86	4.1
Prescott.....	19946	491	249	242	24.6	202	108	94	14	20	2	2	92	72	10.1	7	196	9.8
Prince Edward.....	17322	320	142	178	18.5	255	140	115	6	7	2	3	132	105	14.7	5	106	6.1
Rainy River.....	14244	212	99	113	14.9	96	63	33	11	6	3	3	49	24	6.7	3	25	1.8
Renfrew.....	39220	491	271	220	12.5	300	172	128	20	10	2	2	152	116	7.6	17	226	5.8
Russell.....	18044	433	224	209	24.0	145	69	76	14	19	1	3	54	54	8.0	8	136	7.5
Simcoe.....	55998	555	267	288	9.9	541	309	232	12	13	10	2	287	217	9.7	18	339	6.1
Stormont.....	28055	330	172	158	11.8	158	95	63	11	5	2	2	82	56	5.6	7	71	2.5
Sudbury.....	47763	855	435	420	17.9	232	137	95	28	25	6	3	103	67	4.9	17	242	5.1
Thunder Bay.....	34067	233	124	109	6.8	111	81	30	10	5	1	1	70	25	3.3	1	70	2.1
Timiskaming.....	52312	1065	548	517	20.4	315	186	129	29	26	7	6	150	97	6.0	18	228	4.4
Victoria.....	19140	81	40	41	4.2	163	87	76	1	2	1	1	85	74	8.5	1	104	5.4
Waterloo.....	34872	263	130	133	7.5	244	119	125	4	4	1	1	115	121	7.0	5	227	6.5
Welland.....	42350	218	107	111	5.1	268	166	102	9	4	2	2	155	96	6.3	4	234	5.5
Wellington.....	38258	739	396	343	19.3	418	225	193	14	5	3	3	208	185	10.9	20	219	5.7
Wentworth.....	33498	95	45	50	2.8	502	260	242	1	4	2	1	257	237	15.0	1	152	4.5
York.....	251145	2486	1325	1161	9.9	1563	792	771	53	32	10	8	729	731	6.2	82	1005	4.0
District of Patricia.....	10606	87	49	38	8.2	17	10	7	3	3	1	1	7	4	1.6	8	15	1.4

**Table 3—General Summary of Births, Deaths and Marriages in the Province of Ontario for Cities, Towns and Villages of 10,000 population and over, 1943 (As at Census 1941)**

CITIES, TOWNS, AND VILLAGES	Estimated Population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000 of population	DEATHS								Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population		
		Total	M	F		All ages				Under 1 year		1-4 years						5 years and over	
						Total	M	F	M	F	M	F	M					F	M
<b>Total.....</b>	<b>1,805,906</b>	<b>52,083</b>	<b>26,682</b>	<b>25,401</b>	<b>28.8</b>	<b>22,790</b>	<b>12,119</b>	<b>10,671</b>	<b>1,199</b>	<b>874</b>	<b>191</b>	<b>142</b>	<b>10,729</b>	<b>9,655</b>	<b>12.6</b>	<b>1,303</b>	<b>23,251</b>	<b>12.9</b>	
Belleville.....	15642	1011	531	480	64.6	357	223	134	33	26	5	3	185	105	22.6	29	264	16.9	
Brantford.....	34848	978	521	457	28.1	436	236	200	24	10	4	3	208	187	12.5	19	424	12.2	
Brockville.....	11116	495	252	243	44.5	230	131	99	18	8	4	1	109	90	20.7	13	186	16.7	
Chatham.....	18057	1269	638	571	67.0	407	221	186	29	18	5	2	187	166	22.5	26	232	12.8	
Cornwall.....	14246	823	466	417	57.8	296	175	121	40	16	3	4	132	101	20.8	27	303	21.3	
Forest Hill.....	13339	6	4	2	0.4	50	17	33					16	33	3.7		18	1.3	
Fort William.....	29000	751	379	372	25.9	263	164	99	8	11	3	4	153	84	9.1	19	392	13.5	
Galt.....	14693	438	224	214	29.8	204	98	106	5	5	4		89	101	13.9	15	160	9.0	
Guelph.....	23225	371	180	191	16.0	284	126	158	6	12	1	1	119	145	12.2	12	240	13.0	
Hamilton.....	174547	4726	2394	2332	27.1	2026	1080	946	82	81	15	8	983	857	11.6	118	2196	12.6	
Kingston.....	33267	1502	765	737	45.1	559	308	251	36	19	4	2	268	230	16.8	46	503	15.1	
Kitchener.....	36348	1282	692	590	35.3	461	238	223	18	19	4		216	204	12.7	31	407	11.2	
London.....	83459	2337	1180	1157	28.0	1374	722	652	61	28	6	12	655	612	16.5	53	1051	12.6	
Niagara Falls.....	19138	743	401	342	38.8	222	120	102	15	2	1	1	104	99	11.6	14	302	15.8	
North Bay.....	15906	488	251	237	30.7	163	87	76	15	13	1	3	71	60	16.2	8	145	9.1	
Oshawa.....	26856	842	431	411	31.4	253	134	119	11	14	3	2	120	103	9.4	13	297	11.1	
Ottawa.....	163929	4541	2358	2183	27.7	2053	1041	1012	110	93	19	18	912	901	12.5	163	1996	12.2	
Owen Sound.....	13391	503	259	244	37.0	243	127	116	13	13	2		112	103	17.9	16	140	10.3	
Pembroke.....	11695	562	314	248	48.1	187	101	86	17	10		1	84	75	16.0	14	163	13.9	
Peterborough.....	28005	995	498	497	35.5	415	223	192	20	14	2	3	201	175	14.8	28	344	12.3	
Port Arthur.....	25042	848	428	420	33.9	281	163	118	9	13	1	3	153	102	11.2	24	264	10.5	
St. Catharines.....	34541	1182	590	592	34.2	398	208	190	22	17	4	3	182	170	11.5	29	481	13.9	
St. Thomas.....	17803	735	387	348	41.3	278	142	136	20	8	4	2	118	126	15.6	16	204	11.5	
Sarnia.....	20082	707	366	341	35.2	284	158	126	19	9	2	3	137	114	14.1	17	226	11.3	
Sault Ste. Marie.....	27537	901	486	415	32.7	283	152	131	23	14	4	2	125	115	10.3	20	315	11.4	
Stratford.....	17161	541	285	256	31.5	278	137	141	10	8	1	1	126	132	16.2	6	159	9.3	
Sudbury.....	35812	1915	956	959	53.5	366	234	132	72	48	6	7	156	77	10.2	49	392	10.9	
Timmins.....	26000	829	423	406	31.9	155	87	68	19	4	2		57	47	6.0	22	202	7.8	
Toronto.....	674285	15133	7655	7478	22.4	8327	4333	3994	318	247	56	46	3959	3701	12.3	345	9517	14.1	
Welland.....	15780	832	454	378	52.7	168	101	67	17	10			84	57	10.6	23	236	15.0	
Windsor.....	118040	3442	1735	1707	29.2	1280	724	556	94	65	22	5	668	486	10.8	79	1331	11.3	
Woodstock.....	12916	415	239	176	32.1	209	108	101	8	4			100	97	16.2	9	161	12.5	

**Table 4—General Summary of Births, Deaths and Marriages for Towns and Villages of 5,000 to 10,000 population in the Province of Ontario, 1943 (As at Census 1941)**

TOWNS AND VILLAGES of 5,000 to 10,000 population	Estimated Population	BIRTHS (exclusive of stillbirths)			Ratio per 1,000 of population	DEATHS								Ratio per 1,000 of population	Stillbirths	Marriages	Ratio per 1,000 of population		
		Total	M	F		All ages				Under 1 year		1-4 years						5 years and over	
						Total	M	F	M	F	M	F	M					F	M
<b>Total.....</b>	<b>236,141</b>	<b>6,248</b>	<b>3,165</b>	<b>3,083</b>	<b>27.6</b>	<b>2,691</b>	<b>1,386</b>	<b>1,305</b>	<b>128</b>	<b>111</b>	<b>18</b>	<b>17</b>	<b>1,240</b>	<b>1,177</b>	<b>11.9</b>	<b>175</b>	<b>2,707</b>	<b>12.0</b>	
Barrie.....	10533	486	233	253	46.1	158	79	79	6	7	1		72	72	15.0	9	160	15.2	
Brampton.....	6157	328	174	154	53.3	98	59	39	4	1		2	55	36	15.9	10	72	11.7	
Cobourg.....	5606	203	111	92	36.2	102	53	49	1	2	1		51	47	18.2	6	64	11.4	
Collingwood.....	6578	297	157	140	45.2	125	75	50	9	7	2	1	64	42	19.0	7	68	10.3	
Dundas.....	5736	12	4	8	2.1	63	19	44	1	2		1	18	41	11.0	1	65	11.3	
Eastview.....	8646	100	53	47	11.6	22	7	15	1	1			5	15	2.5	5	89	10.3	
Fort Erie.....	7069	273	144	129	38.6	75	41	34	4	1	1		36	33	20.6	8	93	13.2	
Fort Francis.....	5541	203	111	92	36.6	65	37	28	5	6			32	22	11.7	2	78	14.1	
Hawkesbury.....	6177	333	166	167	53.9	97	52	45	12	10		2	40	33	17.5	8	62	10.0	
Ingersoll.....	5823	211	124	87	36.2	85	46	39	7	1		1	39	37	14.6	4	62	10.6	
Kenora.....	7630	253	143	110	33.2	64	37	27	3	5	2		32	22	8.4	9	65	8.5	
Leamington.....	5619	265	134	131	47.2	69	37	32	4	5			33	27	12.3	8	74	13.2	
Leaside.....	8311	6	3	3	0.7	34	16	18	1	1			15	18	4.1		64	7.7	
Lindsay.....	7680	390	197	193	50.8	164	97	67	5	2		1	92	64	21.4	18	98	12.8	
Long Branch.....	5320	24	12	12	4.5	29	19	10	2				17	10	5.5	1	77	14.5	
Midland.....	6900	255	130	125	37.0	119	63	56	3	8	1	1	59	47	17.2	4	65	9.4	
Mimico.....	8400	73	30	43	8.7	39	15	24					14	23	4.6	1	109	13.0	
New Toronto.....	9801	34	12	22	3.5	136	68	68	1	1			66	67	13.9		89	9.1	
Orrilla.....	10021	421	209	212	42.0	171	80	91	8	11	2	1	70	79	17.1	16	149	14.9	
Parry Sound.....	5920	449	237	212	75.8	92	53	39	15	5			38	34	15.5	13	94	15.9	
Port Colborne.....	7187	152	69	83	21.1	43	29	14	5	3	1		23	11	6.0	1	101	14.1	
Port Hope.....	4910	155	75	80	31.6	72	43	29	3	4			40	25	14.7	3	52	10.6	
Preston.....	6718	7	2	5	1.0	28	9	19	1	2			8	17	4.2	1	75	11.2	
Renfrew.....	5673	297	144	153	52.4	79	40	39	4	5	1	1	35	33	13.9	12	81	14.3	
Simcoe.....	6047	434	200	234	71.8	124	60	64	8	11	1	2	51	51	20.5	14	169	18.0	
Smiths Falls.....	7708	204	96	108	26.5	98	52	46	5	3	1	1	46	42	12.7	8	78	10.1	
Swansea.....	7109	3	2	1	0.4	32	11	21					11	20	4.5		75	10.6	
Thorold.....	5517	77	50	27	14.0	46	23	23	1	1			22	21	8.3	1	81	14.7	
Trenton.....	9546	84	36	48	8.8	64	37	27	6	3			31	23	6.7		90	9.4	
Waterloo.....	9460	26	14	12	2.7	49	24	25	1				22	25	5.2		107	11.3	
Weston.....	6333	177	89	88	27.9	49	20	29	1	2			19	26	7.7	5	83	13.1	
Whitby.....	6465	16	4	12	2.5	200	85	115	1	1			84	114	30.9		78	12.1	

Table 5—General Summary of Births, Deaths and Marriages in the Province of Ontario for Towns and Villages of 1,000 Population and under 5,000—1943

(As at Census 1941)

Towns and Villages 1,000 and over and under 5,000	Esti- mated popu- lation	BIRTHS (exclusive of stillbirths)			Ratio per 1,000	DEATHS								Ratio per 1,000	Still- births	Marriages	Ratio per 1,000	
		Total	M	F		All ages			Under 1 year		1-4 years		5 years and over					
						Total	M	F	M	F	M	F	M					F
Total	301955	8773	4430	4343	29.1	3995	2070	1925	183	150	32	23	1855	1752	13.2	255	3658	12.1
Acton	1876	29	16	13	15.5	22	15	7	1	1	1	1	13	7	11.7	3	13	6.9
Alexandria	1974	60	32	28	30.4	19	10	9	1	1	1	1	9	9	9.6	3	36	18.2
Alliston	1505	131	61	70	87.0	45	22	23	2	1	1	1	20	22	29.9	6	21	14.0
Almonte	2136	200	109	91	93.6	53	24	29	1	2	1	1	23	26	24.8	4	20	9.4
Amherstburg	2709	27	17	10	10.0	28	13	15	1	1	1	1	12	15	10.3	4	45	16.6
Annaprior	4037	46	33	13	11.4	43	25	18	3	1	1	1	22	17	10.7	1	57	14.1
Aurora	2990	7	4	3	2.3	18	10	8	1	1	1	1	10	8	6.0	1	27	9.0
Aylmer	2474	10	7	3	4.0	28	10	18	1	1	1	1	9	18	11.3	1	38	15.4
Bancroft	1007	115	59	56	114.2	23	10	13	3	5	2	2	7	6	22.8	6	36	35.7
Barry's Bay	1070	30	18	12	28.0	7	2	5	1	1	1	1	1	4	6.5	1	12	11.2
Beamsville	1306	18	7	11	13.8	9	2	7	1	1	1	1	2	7	6.9	1	13	10.0
Blenheim	1873	17	8	9	9.1	23	12	11	1	1	1	1	12	10	12.3	1	26	13.9
Blind River	1960	109	55	54	55.6	36	23	13	5	2	1	1	17	11	18.4	10	12	6.1
Bobcaygeon	861	20	12	8	23.2	11	5	6	1	1	1	1	5	6	12.8	1	17	19.7
Bowmanville	3780	208	114	94	55.0	68	35	33	4	4	1	1	31	29	18.0	6	41	10.8
Bracebridge	2442	138	76	62	56.5	53	37	16	4	1	1	1	32	15	21.7	9	39	16.0
Bradford	965	25	13	12	25.9	13	8	5	1	1	1	1	8	5	13.5	1	18	18.7
Burlington	1553	23	13	10	14.8	21	15	6	1	1	1	1	14	6	13.5	1	21	13.5
Cache Bay	4311	15	10	5	3.5	33	13	20	1	1	1	1	13	20	7.7	2	44	10.2
Calodonia	751	15	5	10	20.0	2	2	1	1	1	1	1	1	2	7	2	8	7.0
Caledonia	1395	8	3	5	5.7	11	5	6	1	1	1	1	5	5	7.9	1	18	12.9
Campbellford	2851	98	46	52	34.4	33	17	16	2	3	1	1	15	13	11.6	1	27	9.5
Capreol	1666	16	8	8	9.6	7	4	3	3	1	1	1	1	3	4.2	1	16	9.6
Cardinal	1641	28	16	12	17.1	16	7	9	1	1	1	1	7	8	9.8	2	17	10.4
Carleton Place	4217	17	9	8	4.0	36	16	20	1	1	2	1	15	17	8.5	1	39	9.2
Casselton	1002	25	12	13	25.0	5	2	3	1	1	1	1	1	2	5.0	1	20	20.0
Chestley	1550	15	7	8	9.7	16	8	8	1	1	1	1	4	7	10.3	2	16	10.3
Chesterville	1050	50	25	25	47.6	7	4	3	1	1	1	1	8	2	6.7	1	9	8.6
Chippawa	1251	1	1	1	0.8	6	4	2	1	1	1	1	4	2	4.8	1	20	16.0
Clinton	2037	142	84	58	69.7	49	27	22	2	1	1	1	25	20	24.1	2	31	15.9
Cobalt	1994	27	12	15	13.5	11	9	2	1	1	1	1	7	2	5.5	1	18	9.0
Cochrane	3032	152	73	79	50.1	48	26	22	4	4	1	1	22	18	15.8	5	45	14.8
Coniston	2123	70	36	34	33.0	5	3	2	3	1	1	1	1	1	2.4	1	22	10.4
Copper Cliff	3515	23	9	14	6.5	22	14	8	3	3	1	1	14	5	6.3	1	25	7.1
Delhi	2063	10	2	8	4.8	5	3	2	1	1	1	1	3	2	2.4	1	37	17.9
Deteronto	1095	12	3	9	11.0	7	4	3	1	1	1	1	4	2	6.4	1	9	8.2
Dresden	1532	26	13	13	17.0	25	14	11	1	1	1	1	13	11	16.3	3	24	15.7
Dryden	1640	135	75	60	82.3	36	13	23	1	4	1	1	11	18	22.0	5	41	25.0
Dunnville	4348	178	91	87	40.9	70	47	23	3	1	1	1	43	23	16.1	5	60	13.8
Durham	1928	39	18	21	20.2	55	26	29	1	1	1	1	24	28	28.5	1	19	9.9
Eganville	1051	10	4	6	9.5	13	7	6	1	1	1	1	7	6	12.4	1	21	20.0
Elmira	2186	6	2	4	2.7	23	12	11	1	1	1	1	11	11	10.5	1	19	8.7
Elora	1167	4	3	1	3.4	14	7	7	1	1	1	1	6	7	12.0	1	22	18.9
Englehart	1150	65	36	29	56.5	9	5	4	2	2	1	1	3	2	7.8	1	9	7.8
Essex	1986	12	8	4	6.0	16	8	8	2	1	1	1	6	7	8.1	1	30	15.1
Exeter	1794	107	51	56	59.6	16	4	12	1	1	1	1	4	12	8.9	3	27	15.1
Fenelon Falls	993	5	1	4	5.0	10	5	5	1	1	1	1	5	5	10.1	1	12	12.1
Fergus	2624	134	70	64	51.1	32	19	13	2	1	1	1	17	12	12.2	1	28	10.7
Fonthill	1009	1	1	1	1.0	6	2	4	1	1	1	1	2	4	5.9	1	14	13.9
Forest	1573	4	1	3	2.5	17	10	7	1	1	1	1	9	7	10.8	1	21	13.4
Frankford	1115	8	6	2	7.2	7	4	3	1	1	1	1	2	3	6.3	1	14	12.6
Gananoque	3863	69	38	31	17.9	30	17	13	1	1	1	1	16	13	7.8	1	45	11.6
Georgetown	2448	8	6	2	3.3	20	9	11	1	1	1	1	8	11	8.2	1	21	8.6
Geraldton	2050	11	8	3	5.4	4	2	2	1	1	1	1	1	2	2.0	1	22	10.7
Goderich	4987	175	90	85	35.1	97	50	47	6	5	1	1	44	42	19.5	8	54	18.0
Gravenhurst	2216	56	26	30	25.3	18	9	9	1	1	1	1	9	9	8.1	1	32	14.4
Grimsbv	1993	14	5	9	7.0	22	9	13	1	1	1	1	9	12	11.0	1	39	19.6
Hagersville	1588	104	52	52	65.5	21	8	13	1	2	1	1	7	10	13.2	1	19	12.0
Haileybury	2107	98	42	56	46.5	78	44	34	3	3	2	1	39	31	37.0	4	23	10.4
Hanover	3168	132	63	69	41.7	52	23	29	8	3	1	1	15	26	16.4	5	23	7.3
Harriston	1242	17	6	11	13.7	16	9	7	1	1	1	1	8	6	12.9	3	16	12.9
Harrow	1122	12	9	3	10.7	8	1	7	1	1	1	1	1	7	7.1	1	7	6.2
Hailelock	908	49	18	31	54.0	16	9	7	2	1	1	1	9	5	17.6	5	23	35.3
Hespeler	3061	19	8	11	6.2	24	10	14	1	1	1	1	10	14	7.8	1	66	21.6
Humberstone	3287	17	12	15	8.2	15	12	3	1	1	1	1	11	2	4.6	3	18	5.5
Huntsville	2909	230	62	68	44.7	34	17	17	1	1	1	1	16	16	11.7	8	56	19.3
Iroquois Falls	1185	98	41	57	82.7	21	15	6	2	2	1	1	11	3	17.2	2	25	21.1
Kapuskinging	3464	131	70	61	37.8	18	10	8	3	1	1	1	6	7	5.2	6	28	8.1
Keewatin	1269	3	1	2	2.4	8	6	2	1	1	1	1	6	2	6.3	1	4	3.2
Kemptville	1146	36	10	26	31.4	27	11	16	1	1	1	1	10	16	23.6	3	13	13.3
Kincardine	2189	2	1	1	0.9	23	13	10	1	1	1	1	12	9	10.5	1	24	11.0
Kingsville	2335	50	25	25	21.4	25	14	11	2	1	1	1	12	11	10.7	1	40	17.1
Lakefield	1390	1	1	1	0.7	8	4	4	1	1	1	1	4	4	5.8	1	13	9.4
Larder Lake	1116	12	9	3	10.8	2	1											

Table 5—General Summary of Births, Deaths and Marriages in the Province of Ontario for Towns and Villages of 1,000 Population and under 5,000, 1943—Continued

(As at Census 1941)

Towns 1,000 and over and under 5,000	Esti- mated popu- lation	BIRTHS (Exclusive of stillbirths)				Ratio per 1,000	DEATHS										Ratio per 1,000	Still- births	Marriages	Ratio per 1,000
		Total	M	F	Ratio per 1,000		All ages			Under 1 year		1-4 years		5 years and over						
							Total	M	F	M	F	M	F	M	F	M				
Mattawa.....	2066	85	47	38	41.1	38	23	15	6	3	1	...	16	12	18	4	1	23	11.1	
Meaford.....	2722	111	63	48	40.8	48	22	26	2	2	...	...	20	24	17	6	3	29	10.7	
Merrittton.....	3450	14	4	10	4.1	17	7	10	...	...	...	...	7	10	4	9	1	24	7.0	
Milton.....	1955	75	33	42	38.4	29	20	9	1	2	1	...	18	7	14	8	1	17	8.7	
Milverson.....	970	15	5	10	15.5	17	10	7	1	...	...	...	9	7	17	5	...	14	14.4	
Mitchell.....	1531	2	...	2	1.3	24	5	19	...	...	...	...	5	19	15	7	...	11	7.2	
Morrisburg.....	1385	19	12	7	13.7	17	5	12	1	2	...	...	4	10	12	3	...	23	16.6	
Mount Forest.....	1690	77	37	40	45.6	34	15	19	2	1	...	...	13	18	20	1	3	15	8.9	
Napanee.....	3250	105	57	48	32.3	40	21	19	...	...	...	...	21	19	12	3	...	47	14.5	
New Hamburg.....	1454	3	2	1	2.1	14	7	7	...	...	...	...	7	7	9	6	...	10	6.9	
New Liskeard.....	3010	83	43	40	27.6	22	10	12	...	...	...	...	10	8	7	3	2	28	9.3	
Newmarket.....	3956	291	159	132	73.6	89	50	39	3	...	...	...	47	39	22	5	10	36	9.1	
Niagara.....	1802	82	48	34	45.5	25	17	8	2	...	...	...	14	8	13	9	...	25	13.9	
Norwich.....	1199	36	16	20	30.0	18	8	10	...	...	...	...	8	10	15	0	...	16	13.3	
Oakville.....	4093	99	53	46	24.2	28	11	17	...	...	...	...	11	15	6	8	1	41	10.6	
Orangeville.....	2559	142	78	64	55.5	70	35	35	...	...	...	...	35	34	27	4	7	26	10.2	
Palmerston.....	1396	59	31	28	42.3	28	13	15	...	...	...	...	13	14	20	1	1	11	7.9	
Paris.....	4524	143	76	67	31.6	80	39	41	3	2	...	...	36	39	17	7	3	51	9.1	
Penetanguishene.....	4732	153	67	86	32.3	52	30	22	4	5	...	...	26	17	11	0	5	52	11.0	
Perth.....	4230	214	110	104	50.6	93	49	44	4	...	...	...	45	40	22	0	5	55	13.0	
Petrolia.....	2684	236	123	113	87.9	85	51	34	4	3	...	...	47	31	31	7	10	28	10.4	
Pictou.....	3592	286	124	162	79.6	112	49	63	5	5	1	2	43	56	31	2	4	55	15.3	
Point Edward.....	1221	2	2	...	1.6	4	3	1	...	...	...	...	3	1	3	3	...	19	15.6	
Port Credit.....	2249	10	2	8	4.4	23	12	11	...	...	...	...	12	11	10	2	...	60	26.7	
Port Dalhousie.....	1747	5	3	2	2.9	15	9	6	...	...	...	...	9	6	8	6	...	22	12.6	
Port Dover.....	2001	43	23	20	21.5	19	7	12	1	...	...	...	6	12	9	5	2	15	7.5	
Port Elgin.....	1271	38	19	19	29.9	11	1	10	...	...	...	...	1	9	8	7	...	11	8.7	
Port Perry.....	1280	41	22	19	32.0	24	13	11	1	...	...	...	12	11	18	8	...	8	6.3	
Portsmouth.....	2868	3	2	1	1.0	91	53	38	...	...	...	...	53	37	31	7	...	9	3.1	
Port Stanley.....	833	6	3	3	7.2	6	4	2	...	...	...	...	4	2	7	2	...	12	14.4	
Prescott.....	3283	15	11	4	4.6	40	21	19	3	1	1	...	18	17	12	2	1	60	18.3	
Rainy River.....	1200	51	26	25	42.5	20	14	6	4	3	2	1	8	2	16	7	...	11	9.2	
Richmond Hill.....	1454	27	10	17	18.6	21	11	10	2	...	...	...	9	10	14	4	1	25	17.2	
Ridgetown.....	1911	15	8	7	7.8	12	6	6	...	...	...	...	6	6	6	3	...	23	12.0	
Riverside.....	5686	18	6	12	3.2	15	10	5	...	...	...	...	10	4	2	6	2	29	5.1	
Rockcliffe Park.....	1457	...	...	...	...	5	3	2	...	...	...	...	3	2	3	4	1	2	1.4	
Rockland.....	2109	47	29	18	22.3	25	12	13	4	...	...	...	8	13	11	9	1	20	9.5	
St. Mary's.....	3793	93	43	50	24.5	46	16	30	2	...	...	...	16	26	12	1	1	44	11.6	
Seaforth.....	1724	135	63	72	78.3	65	28	37	2	3	...	...	26	34	37	7	1	18	10.4	
Shelburne.....	985	72	37	35	73.1	25	14	11	2	2	...	...	12	9	25	4	2	11	11.2	
Sioux Lookout.....	1741	67	31	36	38.5	28	18	10	1	2	3	...	14	8	16	1	4	15	8.6	
Southampton.....	1587	15	6	9	9.5	18	14	4	2	...	...	...	12	4	11	3	...	10	6.3	
Stayner.....	1162	5	3	2	4.3	10	5	5	...	...	...	...	5	5	8	6	...	21	18.1	
Stoney Creek.....	1051	1	1	...	1.0	9	6	3	...	...	...	...	6	3	8	6	...	10	9.5	
Stouffville.....	1274	44	27	17	34.5	37	18	19	1	...	...	...	17	19	20	0	1	16	12.6	
Strathroy.....	3001	194	96	98	64.6	80	41	39	3	1	...	...	38	38	26	7	5	33	11.0	
Sturgeon Falls.....	3879	172	83	89	44.3	54	25	29	5	9	1	1	19	19	13	9	5	47	12.1	
Sutton.....	862	35	20	15	40.6	11	5	6	...	...	...	...	5	6	12	8	...	5	5.8	
Tavistock.....	1037	10	5	5	9.6	6	3	3	...	...	...	...	3	3	5	8	1	13	12.5	
Tecumseh.....	2794	21	12	9	7.5	9	5	4	...	...	...	...	5	4	3	2	...	29	10.4	
Thessalon.....	1010	50	25	25	49.5	18	7	11	1	1	...	...	6	10	17	8	1	9	8.9	
Tilbury.....	1995	16	8	8	8.0	7	4	3	...	...	...	...	4	3	3	5	...	39	94.5	
Tillsonburg.....	4031	330	159	171	81.9	93	57	36	7	5	2	...	48	31	23	1	10	57	14.1	
Tweed.....	1250	23	9	14	18.4	7	3	4	...	...	...	...	3	3	5	6	2	24	19.2	
Uxbridge.....	1439	46	19	27	32.0	23	13	10	1	...	...	...	13	8	16	0	1	21	14.6	
Vankleek Hill.....	1392	52	30	22	37.4	26	10	16	1	1	...	...	9	15	18	7	2	36	25.9	
Victoria Harbour.....	909	11	4	7	12.1	6	3	3	...	...	...	...	2	3	6	6	...	17	18.7	
Walkerton.....	2767	159	69	90	57.5	64	36	28	3	5	...	...	33	23	23	1	4	23	8.3	
Wallaceburg.....	5088	29	10	19	5.7	29	14	15	...	...	...	...	13	13	5	1	1	73	14.3	
Waterford.....	1352	60	23	37	44.4	19	11	8	1	...	...	...	10	8	14	1	2	19	14.1	
Watford.....	972	6	4	2	6.2	18	10	8	...	...	...	...	10	8	18	5	...	14	14.4	
Wellington.....	950	4	3	1	4.2	15	7	8	...	...	...	...	7	7	15	8	...	11	11.6	
Warton.....	1595	84	37	47	52.7	24	13	11	3	1	...	...	10	10	15	0	2	20	12.5	
Winchester.....	1000	19	13	6	19.0	9	4	5	1	1	...	...	3	4	9	0	...	18	18.0	
Wingham.....	2045	120	66	54	58.7	41	23	18	2	2	...	...	21	16	20	0	5	33	16.1	
Woodbridge.....	1089	2	2	...	1.8	8	5	3	...	...	...	...	5	3	7	3	...	13	11.9	

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1943

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
Ontario.....	81173	6682	6324	7210	7073	7213	7222	7255	6836	6832	6450	5948	6128
Rural.....	14069	1193	1097	1282	1271	1264	1284	1253	1165	1166	1081	979	1034
Urban.....	67104	5489	5227	5928	5802	5949	5938	6002	5671	5666	5369	4969	5094
Addington.....	88	9	6	10	8	13	4	7	3	7	10	4	7
Rural.....	88	9	6	10	8	13	4	7	3	7	10	4	7
Algoma.....	1248	101	104	99	119	101	100	113	108	114	107	93	89
Rural.....	188	17	16	17	17	22	13	17	21	16	11	14	7
Urban.....	1060	84	87	83	102	79	87	80	87	98	96	79	82
Sault Ste. Marie, c.....	901	69	70	66	89	67	73	80	75	88	87	68	69
Blind River, t.....	109	10	17	12	5	6	10	4	3	7	8	7	7
Thessalon, t.....	50	5	5	5	6	4	4	4	3	3	1	4	4
Brant.....	1322	99	116	97	128	118	130	112	107	101	99	102	113
Rural.....	201	16	21	16	19	14	23	14	18	10	24	12	14
Urban.....	1121	83	95	81	109	104	107	98	89	91	75	90	99
Brantford, c.....	978	67	84	73	96	85	94	83	81	80	72	73	90
Paris, t.....	143	16	11	8	13	19	13	15	8	11	3	17	9
Bruce.....	685	59	58	67	48	61	58	71	44	56	58	56	49
Rural.....	372	28	34	39	20	33	28	43	23	32	35	30	27
Urban.....	313	31	24	28	28	28	30	28	21	24	23	26	22
Chesley, t.....	15	2	3	3	4	2	2	1	1	2	2	1	1
Kincardine, t.....	2	1	1	1	3	1	1	2	2	1	1	1	1
Southampton, t.....	15	1	1	1	3	1	1	2	2	1	1	1	1
Walkerton, t.....	159	19	12	12	13	20	14	15	13	12	7	13	9
Warton, t.....	84	6	7	6	8	6	7	8	4	8	9	9	6
Port Elgin, vl.....	38	5	1	6	2	2	6	3	1	4	2	2	6
Carleton.....	4856	402	345	416	413	432	395	409	435	428	416	368	397
Rural.....	215	15	14	21	20	22	20	14	18	17	22	17	15
Urban.....	4641	387	331	395	393	410	375	395	417	411	394	351	382
Ottawa, c.....	4541	383	320	382	382	408	369	377	407	404	390	344	375
Eastview, t.....	100	4	11	13	11	2	6	18	10	7	4	7	7
Rockliffe Park, vl.....													
Cochrane.....	2038	179	150	186	179	177	170	195	176	192	146	145	143
Rural.....	828	70	47	72	68	74	71	90	80	84	63	56	53
Urban.....	1210	109	103	114	111	103	99	105	96	108	83	89	90
Cochrane, t.....	152	10	8	17	10	9	15	18	9	15	12	16	13
Iroquois Falls, t.....	98	8	6	9	11	7	7	14	9	10	6	6	5
Kapuskasing, t.....	131	5	10	12	7	11	12	14	10	18	12	10	10
Timmins, t.....	829	86	79	76	83	76	65	59	68	65	53	57	62
Dufferin.....	267	16	15	29	26	27	25	28	26	29	19	17	10
Rural.....	53	2	3	10	4	6	4	6	1	6	6	4	1
Urban.....	214	14	12	19	22	21	21	22	25	23	13	13	9
Orangeville, t.....	142	9	6	13	13	18	10	16	17	20	11	6	3
Shelburne, vl.....	72	5	6	6	9	3	11	6	8	3	2	7	6
Dundas.....	258	13	28	33	16	18	29	21	15	19	25	18	23
Rural.....	170	11	17	19	11	10	20	18	13	12	13	15	11
Urban.....	88	2	11	14	5	8	9	3	2	7	12	3	12
Chesterville, vl.....	50	5	5	5	5	5	7	2	1	5	7	2	6
Morrisburg, vl.....	19	1	1	4	1	1	1	1	1	1	1	1	4
Winchester, vl.....	19	1	1	5	3	1	1	1	1	1	4	2	2
Durham.....	402	38	29	35	49	37	39	30	30	28	30	29	28
Rural.....	39	4	1	2	6	6	2	6	2	3	1	1	3
Urban.....	363	34	28	33	41	31	37	24	28	25	29	28	25
Bowmanville, t.....	208	15	14	20	28	16	22	10	19	14	17	19	14
Port Hope, t.....	155	19	14	13	13	15	15	14	9	11	12	9	11
Elgin.....	876	81	62	82	80	75	81	85	65	62	96	55	52
Rural.....	125	15	7	12	10	9	11	9	13	8	15	7	9
Urban.....	751	66	55	70	70	66	70	76	52	54	81	48	43
St. Thomas, c.....	735	66	54	68	67	64	67	76	51	53	80	47	42
Aylmer, t.....	10	1	1	1	1	2	3	1	1	1	1	1	1
Port Stanley, vl.....	6	1	1	2	1	1	1	1	1	1	1	1	1
Essex.....	4234	355	342	372	367	347	366	391	384	353	317	306	334
Rural.....	387	37	23	33	28	33	42	36	31	38	33	28	25
Urban.....	3847	318	319	339	339	314	324	355	353	315	284	278	309
Windsor, c.....	3442	285	276	303	304	282	291	321	305	281	268	249	277
Amherstburg, t.....	27	4	3	3	3	2	3	2	2	1	3	4	4
Essex, t.....	12	1	1	1	1	1	2	1	1	5	1	2	2
Harrow, t.....	12	1	1	1	1	1	2	3	3	1	1	1	1
Kingsville, t.....	50	2	10	2	6	3	3	4	5	6	3	3	3
Leamington, t.....	265	24	21	25	22	24	19	23	36	21	10	18	22
Riverside, t.....	18	3	7	1	2	1	2	1	1	1	1	1	1
Tecumseh, t.....	21	4	3	4	3	3	3	1	1	1	1	3	1
Frontenac.....	1653	137	120	127	154	145	122	154	152	146	123	123	150
Rural.....	148	11	7	17	17	17	9	17	18	16	10	11	12
Urban.....	1505	126	113	116	145	128	113	137	134	130	113	112	138
Kingston, c.....	1502	125	113	116	144	128	113	137	133	130	113	112	138
Portsmouth, vl.....	3	1	1	1	1	1	1	1	1	1	1	1	1
Glengarry.....	294	25	27	19	21	26	38	29	28	17	24	19	21
Rural.....	234	18	21	12	20	21	30	27	23	9	21	16	16
Urban.....	60	7	6	7	1	5	8	2	5	8	3	3	5
Alexandria, t.....	60	7	6	7	1	5	8	2	5	8	3	3	5



Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1943—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Grenville.....	148	13	7	15	12	14	9	11	17	14	13	10	13
Rural.....	69	4	2	8	6	7	3	6	6	8	5	6	8
Urban.....	79	9	5	7	6	7	6	5	11	6	8	4	5
Prescott, t.....	15	2	1	2	1	3	2	3	2	1	3	2	1
Cardinal, vl.....	28	2	1	3	4	4	2	5	3	2	3	2	2
Kemptville, vl.....	36	5	3	1	3	4	4	2	4	3	3	2	6
Grey.....	1031	74	75	94	86	89	100	95	89	93	97	70	69
Rural.....	246	18	20	22	22	26	21	21	27	13	19	15	15
Urban.....	785	56	55	72	64	67	74	74	68	66	84	51	54
Owen Sound, c.....	503	34	32	48	43	41	53	45	47	41	52	29	38
Durham, t.....	39	2	4	1	4	6	3	4	1	3	6	3	2
Hanover, t.....	132	9	7	10	9	12	8	14	14	15	15	12	7
Meaford, t.....	111	11	12	13	8	8	10	11	6	7	11	7	7
Haldimand.....	393	36	30	36	29	27	43	40	31	29	27	26	39
Rural.....	103	9	7	14	9	12	12	8	7	8	3	5	9
Urban.....	290	27	23	22	20	15	31	32	24	21	24	21	30
Dunnville, t.....	178	15	15	16	12	6	18	21	14	13	16	12	20
Caledonia, vl.....	8	2	2	2	1	1	1	1	1	1	1	1	1
Hagersville, vl.....	104	10	8	4	8	8	12	11	9	8	8	9	9
Haliburton.....	112	10	14	9	10	9	6	7	12	13	8	11	3
Rural.....	112	10	14	9	10	9	6	7	12	13	8	11	3
Halton.....	272	20	24	19	23	16	23	31	23	21	24	30	18
Rural.....	46	6	5	5	4	4	3	6	2	2	2	7	2
Urban.....	226	14	19	14	19	12	20	25	21	21	22	23	16
Burlington, t.....	15	3	2	1	4	1	1	1	1	1	1	1	1
Georgetown, t.....	3	2	3	3	3	1	6	5	11	9	7	10	5
Milton, t.....	75	3	3	4	5	7	6	5	11	9	7	13	6
Oakville, t.....	99	4	7	7	12	3	12	12	9	7	13	6	7
Acton, vl.....	29	2	4	2	2	1	1	3	1	4	1	4	4
Hastings.....	1678	135	123	140	159	152	151	165	131	152	119	121	130
Rural.....	370	29	37	31	29	29	28	35	26	35	43	21	27
Urban.....	1308	106	86	109	130	123	123	130	105	117	76	100	103
Belleville, c.....	1011	82	68	85	96	95	102	106	78	93	54	77	75
Deseronto, t.....	12	1	1	1	3	1	4	1	1	1	3	1	1
Trenton, vl.....	84	10	5	4	10	7	4	7	8	6	6	7	10
Bancroft, vl.....	115	5	5	13	15	10	12	11	11	9	7	9	8
Frankford, vl.....	8	2	2	1	1	1	2	2	2	3	1	1	3
Madoc, vl.....	14	1	1	3	6	3	3	1	1	6	2	4	3
Marmora, vl.....	23	6	2	3	6	3	1	6	2	5	1	4	3
Tweed, vl.....	41	2	2	3	2	2	1	2	1	3	3	2	3
Huron.....	899	68	65	66	84	75	86	68	80	69	82	73	83
Rural.....	220	23	18	10	28	13	25	15	23	18	13	15	19
Urban.....	679	45	47	56	56	62	61	53	57	51	69	58	64
Clinton, t.....	142	13	8	7	10	21	12	10	8	15	15	9	20
Goderich, t.....	175	11	20	13	10	11	17	16	12	8	24	13	20
Seaforth, t.....	135	4	10	13	8	14	14	9	14	12	11	14	12
Wingham, t.....	120	10	4	10	11	11	9	14	10	11	10	11	9
Exeter, vl.....	107	7	5	13	17	5	9	4	13	5	9	11	9
Kenora.....	545	35	52	51	49	55	49	44	28	45	46	42	5
Rural.....	87	8	14	8	11	7	2	6	4	4	10	8	5
Urban.....	458	27	38	43	38	48	47	38	24	41	36	34	44
Dryden, t.....	135	9	13	14	8	9	18	9	4	13	11	12	15
Keewatin, t.....	3	1	1	3	2	2	1	6	1	2	1	1	2
Kenora, t.....	253	13	20	23	23	34	23	25	15	21	19	17	20
Sioux Lookout, t.....	67	5	6	7	5	6	6	4	4	3	6	5	7
Kent.....	1558	147	113	149	132	122	155	130	124	133	124	117	112
Rural.....	246	28	21	18	31	21	25	21	12	24	18	12	15
Urban.....	1312	119	92	131	101	101	130	109	112	109	106	105	97
Chatham, c.....	1209	113	85	124	97	92	119	95	104	102	98	94	86
Blenheim, t.....	17	1	1	3	2	2	1	6	2	2	1	3	2
Dresden, t.....	26	1	1	1	2	2	4	6	3	1	3	2	2
Dresden, t.....	15	2	1	1	1	3	2	2	1	1	1	3	2
Ridgetown, t.....	16	1	2	2	1	1	2	1	4	2	4	2	7
Tilbury, t.....	29	2	3	1	1	1	2	1	4	2	4	2	7
Wallaceburg, t.....	29	2	3	1	1	1	2	1	4	2	4	2	7
Lambton.....	1141	92	86	89	92	102	104	100	102	110	85	85	94
Rural.....	186	23	15	14	16	12	19	11	22	9	18	16	11
Urban.....	955	69	71	75	76	90	85	89	80	101	67	69	83
Sarnia, c.....	707	52	51	52	60	69	61	64	58	75	52	48	65
Foresia, t.....	4	1	1	1	1	1	2	2	2	1	1	1	1
Petrolia, t.....	236	14	19	22	15	20	24	22	21	25	15	21	18
Point Edward, vl.....	2	2	2	2	2	2	2	2	2	2	2	2	2
Watford, vl.....	6	2	1	1	1	1	1	1	1	1	1	1	1
Lanark.....	680	57	49	65	72	44	60	61	66	58	52	48	48
Rural.....	45	4	6	7	4	3	4	4	2	3	1	4	5
Urban.....	635	53	43	58	68	41	56	59	64	55	51	44	43
Almonte, t.....	200	15	14	20	23	14	20	15	23	12	17	16	11
Carleton Place, t.....	17	4	3	3	1	1	1	2	2	2	2	2	2
Perth, t.....	214	20	13	14	26	9	22	23	18	22	14	16	17
Smiths Falls, t.....	204	14	16	21	18	17	12	21	23	19	18	12	13
Leeds.....	729	55	55	59	63	59	56	58	66	65	63	67	63
Rural.....	165	17	15	10	13	11	13	8	20	10	10	19	19
Urban.....	564	38	40	49	50	48	43	50	46	55	53	48	44
Brockville, t.....	495	35	38	41	41	42	36	41	41	47	48	43	42
Ganoque, t.....	69	3	2	8	9	6	7	9	5	8	5	5	5

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1943—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Lennox.....	155	6	13	22	13	9	11	10	12	20	11	13	15
Rural.....	50	3	5	10	4	5	3	3	3	7	3	2	2
Urban.....	105	3	8	12	9	4	8	7	9	13	8	11	13
Napanee, t.....	105	3	8	12	9	4	8	7	9	13	8	11	13
Lincoln.....	1491	130	126	152	116	134	136	125	124	112	128	102	106
Rural.....	176	12	15	21	16	20	13	10	21	16	11	11	10
Urban.....	1315	118	111	131	100	114	123	115	103	96	117	91	96
St. Catharines, c.....	1182	103	103	115	91	104	113	102	88	89	109	84	81
Grimsbv, t.....	14	1	2	.....	1	2	2	.....	2	.....	2	1	1
Merrittton, t.....	14	1	.....	3	1	4	.....	1	2	.....	1	1	.....
Niagara, t.....	82	10	4	10	5	3	5	10	10	5	5	4	11
Beamsville, vl.....	18	3	1	3	1	1	2	1	2	.....	1	.....	3
Port Dalhousie, vl.....	5	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....
Manitoulin.....	252	23	22	23	29	22	16	19	22	26	12	16	22
Rural.....	237	23	19	21	29	22	14	18	22	24	10	15	20
Urban.....	15	.....	3	2	.....	.....	2	1	.....	2	2	1	2
Little Current, t.....	15	.....	3	2	.....	.....	2	1	.....	2	2	1	2
Middlesex.....	2749	244	216	252	213	217	238	261	241	229	223	198	217
Rural.....	218	24	17	21	19	17	23	18	18	21	18	11	11
Urban.....	2531	220	199	231	194	200	215	243	223	208	205	187	206
London, c.....	2337	207	185	212	176	186	195	223	206	195	193	172	187
Strathroy, t.....	194	13	14	19	18	14	20	20	17	13	12	15	19
Muskoka.....	408	36	32	29	24	33	49	35	34	37	35	27	37
Rural.....	84	4	6	8	5	6	11	9	5	8	6	11	26
Urban.....	324	32	26	21	19	27	38	26	29	32	27	21	26
Bracebridge, t.....	138	14	9	7	14	11	16	9	11	14	15	9	9
Gravenhurst, t.....	56	4	3	3	1	5	5	7	9	7	3	5	4
Huntsville, t.....	130	14	14	11	4	11	17	10	9	11	9	7	13
Nipissing.....	1110	87	110	106	99	113	94	91	81	105	71	68	85
Rural.....	350	26	37	42	34	39	34	27	22	24	22	18	25
Urban.....	760	61	73	64	65	74	60	64	59	81	49	50	60
North Bay, c.....	488	38	45	35	39	51	36	42	44	52	27	36	43
Cache Bay, t.....	15	2	1	2	1	.....	.....	2	.....	2	.....	1	3
Mattawa, t.....	85	9	12	8	9	8	8	6	4	5	7	5	4
Sturgeon Falls, t.....	172	12	15	19	16	14	16	14	11	22	15	8	10
Norfolk.....	684	47	45	73	60	65	71	49	52	49	64	58	51
Rural.....	137	6	15	15	12	17	9	12	5	8	13	12	13
Urban.....	547	41	30	58	48	48	62	37	47	41	51	46	38
Simcoe, t.....	434	36	23	41	40	39	48	30	35	37	40	36	29
Delhi, vl.....	10	1	.....	1	1	3	1	1	.....	1	.....	1	1
Port Dover, vl.....	43	3	6	8	5	2	1	4	5	1	2	5	7
Waterford, vl.....	60	1	1	9	2	6	10	2	6	3	8	5	7
Northumberland.....	450	37	30	47	34	45	32	45	40	43	41	27	29
Rural.....	126	14	7	14	12	11	10	9	10	10	12	11	6
Urban.....	324	23	23	33	22	34	22	36	30	33	29	16	23
Campbellford, t.....	98	3	5	10	7	12	4	13	10	10	11	5	8
Cobourg, t.....	203	20	15	21	13	18	17	19	19	22	16	10	13
Brighton, vl.....	23	.....	3	2	2	4	1	4	1	1	2	1	2
Ontario.....	1127	91	104	94	94	100	95	101	99	90	94	86	79
Rural.....	182	20	11	14	23	20	15	21	14	9	11	14	10
Urban.....	945	71	93	80	71	80	80	80	85	81	83	72	69
Oshawa, c.....	842	58	81	69	65	71	71	75	73	73	74	66	66
Uxbridge, t.....	46	6	6	5	3	6	2	7	7	.....	4	3	2
Whitby, t.....	16	1	1	5	1	.....	4	2	1	1	2	.....	.....
Port Perry, vl.....	41	6	5	.....	2	3	3	1	4	7	3	1	1
Oxford.....	1123	78	72	79	85	103	112	96	113	97	102	87	99
Rural.....	121	12	11	12	8	11	10	8	13	7	8	6	15
Urban.....	1002	66	61	67	77	92	102	88	100	90	94	81	84
Woodstock, c.....	415	19	30	31	32	37	47	50	43	38	38	23	27
Ingersoll, t.....	211	23	7	14	13	21	19	16	14	18	20	28	18
Tilsonburg, t.....	330	18	22	18	24	33	31	21	38	30	32	28	35
Norwich, vl.....	36	6	2	3	3	1	.....	3	1	5	3	4	3
Tavistock, vl.....	10	.....	.....	1	5	.....	1	1	.....	.....	1	1	1
Parry Sound.....	783	65	77	79	73	71	69	78	62	48	55	47	59
Rural.....	334	27	30	35	36	26	30	32	31	21	18	19	29
Urban.....	449	38	47	44	37	45	39	46	31	27	37	28	30
Parry Sound, t.....	449	38	47	44	37	45	39	46	31	27	37	28	30
Peel.....	431	20	33	36	55	36	34	46	35	39	41	28	28
Rural.....	93	7	6	6	7	10	8	14	5	11	8	5	6
Urban.....	338	13	27	30	48	26	26	32	30	28	33	23	22
Brampton, t.....	328	13	27	30	46	25	26	31	26	27	33	22	22
Port Credit, vl.....	10	.....	.....	2	1	.....	1	4	1	.....	1	.....	.....
Perth.....	953	78	59	92	83	80	99	77	90	80	72	87	56
Rural.....	133	13	10	17	8	14	20	9	9	8	9	7	9
Urban.....	820	65	49	75	75	66	79	68	81	72	63	80	47
Stratford, c.....	541	42	28	49	52	39	54	47	52	45	40	54	39
Listowell, t.....	169	12	11	15	13	15	16	13	21	17	15	14	7
Mitchel, t.....	2	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
St. Mary's, t.....	93	9	8	10	9	8	7	8	7	9	7	11	.....
Milverton, vl.....	15	2	2	1	1	3	2	.....	1	1	1	1	1
Peterborough.....	1120	81	76	115	82	100	98	109	98	91	100	95	75
Rural.....	75	5	6	10	3	10	4	8	6	4	10	3	6
Urban.....	1045	76	70	105	79	90	94	101	92	87	90	92	69
Peterborough, c.....	995	72	67	100	77	87	88	98	89	81	86	85	65
Havelock, vl.....	49	4	3	5	2	3	6	2	3	6	4	7	4
Lakefield, vl.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban in the Province of Ontario, 1943—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prescott.....	824	73	44	63	84	73	86	81	65	60	75	63	57
Rural.....	424	37	27	22	48	39	39	38	31	37	46	29	31
Urban.....	400	36	17	41	36	34	47	43	34	23	29	34	26
Hawkesbury, t.....	333	29	14	35	30	34	36	34	31	18	21	29	22
Vankleek Hill, t.....	52	6	3	4	2	9	6	3	5	6	4	4	4
L'Orignal, vl.....	15	1	.....	.....	.....	2	4	.....	.....	.....	2	1	.....
Prince Edward.....	320	21	19	33	29	27	35	30	26	24	31	27	18
Rural.....	30	1	2	7	3	3	4	2	3	1	2	2	.....
Urban.....	290	20	17	26	26	24	31	28	23	23	29	25	18
Pictou, t.....	286	19	17	26	26	24	30	28	23	22	29	25	17
Wellington, vl.....	4	1	.....	.....	.....	1	.....	.....	1	.....	.....	.....	1
Rainy River.....	415	41	32	46	43	38	28	41	31	34	28	25	28
Rural.....	161	15	15	17	19	12	10	16	12	11	8	13	13
Urban.....	254	26	17	29	24	26	18	25	19	23	20	12	15
Fort Francis, t.....	203	13	15	24	21	20	15	20	16	18	19	10	12
Rainy River, t.....	51	13	2	5	3	6	3	5	3	5	1	2	3
Renfrew.....	1350	103	89	125	120	109	135	131	123	116	99	104	96
Rural.....	405	36	27	46	40	31	39	40	33	26	29	31	27
Urban.....	945	67	62	79	80	78	96	91	90	90	70	73	69
Arnprior, t.....	46	6	2	6	7	2	4	3	3	4	6	1	2
Pembroke, t.....	562	35	47	47	41	46	60	50	48	54	40	53	41
Renfrew, t.....	297	22	11	24	27	27	27	35	32	31	21	17	23
Barry's Bay, vl.....	30	4	2	1	5	2	2	1	6	1	2	1	3
Eganville, vl.....	10	.....	.....	1	.....	1	3	2	1	.....	1	1	.....
Russell.....	433	31	23	47	34	32	38	43	45	39	31	34	36
Rural.....	361	26	16	35	28	27	36	34	42	33	25	28	31
Urban.....	72	5	7	12	6	5	2	9	3	6	6	6	5
Rockland, t.....	47	4	7	6	4	3	2	9	1	2	4	5	2
Casselman, vl.....	25	1	.....	6	4	2	.....	.....	2	4	2	1	3
Simcoe.....	2014	149	154	185	174	196	186	191	176	160	166	138	139
Rural.....	230	16	16	28	33	20	31	18	21	16	11	9	11
Urban.....	1784	133	138	157	141	176	155	173	155	144	155	129	128
Alliston, t.....	131	15	6	15	13	12	13	14	14	6	6	6	9
Barrie, t.....	486	28	48	41	50	59	49	43	37	38	41	27	25
Collingswood, t.....	297	26	23	29	24	31	28	29	21	20	29	19	18
Midland, t.....	255	24	15	19	17	20	18	31	21	24	27	22	17
Orillia, t.....	421	22	33	37	23	39	32	40	42	35	34	38	46
Penetanguishene, t.....	153	16	11	10	12	13	11	16	17	11	16	11	9
Stayner, t.....	5	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bradford, vl.....	25	.....	2	3	2	2	2	4	3	1	2	2	2
Victoria Harbour, vl.....	11	1	.....	2	.....	.....	.....	.....	.....	1	.....	2	2
Stornton.....	1153	96	89	93	92	122	94	98	125	91	87	96	70
Rural.....	330	23	23	29	23	36	29	29	32	27	22	34	23
Urban.....	823	73	66	64	69	86	65	69	93	64	65	62	47
Cornwall, t.....	823	73	66	64	69	86	65	69	93	64	65	62	47
Sudbury.....	2770	252	240	253	220	237	271	208	241	238	179	209	222
Rural.....	746	56	63	63	65	54	75	55	67	62	63	61	62
Urban.....	2024	196	177	190	155	183	196	153	174	176	116	148	160
Sudbury, c.....	1915	187	169	182	149	174	190	125	162	169	111	142	155
Capreol, t.....	16	3	2	2	2	2	2	2	.....	.....	1	.....	.....
Coniston, t.....	70	4	3	4	3	4	2	27	6	6	3	4	4
Coppercliff, t.....	23	2	3	2	2	3	2	.....	4	1	1	2	1
Thunder Bay.....	1832	159	145	183	178	168	139	177	151	138	158	123	113
Rural.....	222	27	21	22	22	20	14	19	25	15	15	6	16
Urban.....	1610	132	124	161	156	148	125	158	126	123	143	117	97
Fort William, c.....	751	69	52	80	76	68	51	72	61	64	69	50	39
Port Arthur, c.....	848	63	72	81	80	80	74	86	65	58	66	66	57
Geraldton, t.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	1	.....
Timiskaming.....	1065	94	80	87	90	106	92	91	85	98	85	70	87
Rural.....	780	69	55	63	73	70	64	70	58	78	59	55	66
Urban.....	285	25	25	24	17	36	28	21	27	20	26	15	21
Cobalt, t.....	27	2	2	2	2	6	3	2	1	3	2	1	1
Englehart, t.....	65	6	4	3	6	8	6	5	7	6	3	4	7
Haileybury, t.....	98	8	9	8	3	14	12	5	10	4	13	4	8
Larder Lake, t.....	12	1	2	.....	1	2	.....	1	2	2	1	.....	.....
New Liskeard, t.....	83	8	8	11	5	6	7	8	7	5	7	6	5
Victoria.....	471	34	27	44	47	49	43	44	45	43	30	29	36
Rural.....	56	2	7	7	6	8	2	4	3	5	4	1	7
Urban.....	415	32	20	37	41	41	41	40	42	38	26	28	29
Lindsay, t.....	390	30	18	35	38	37	39	34	40	37	26	28	28
Bobcaygeon, vl.....	20	2	2	2	1	3	1	5	2	1	.....	.....	1
Fenelon Falls, vl.....	5	.....	.....	.....	2	1	1	1	.....	.....	.....	.....	.....
Waterloo.....	2016	174	151	166	168	192	220	169	159	146	174	169	128
Rural.....	235	35	23	23	21	16	25	18	13	13	19	17	12
Urban.....	1781	139	128	143	147	176	195	151	146	133	155	152	116
Galt, c.....	438	36	34	46	36	36	49	46	37	29	38	25	26
Kitchener, c.....	1282	100	89	91	108	132	144	96	106	98	111	121	86
Elmira, t.....	6	1	1	.....	.....	1	.....	3	.....	.....	.....	.....	.....
Hespeler, t.....	19	.....	1	1	.....	4	2	1	2	5	1	2	.....
Preston, t.....	7	1	.....	1	1	1	.....	1	.....	.....	1	1	.....
Waterloo, t.....	26	2	3	3	2	2	.....	2	1	1	4	2	4
New Hamburg, vl.....	31	.....	.....	.....	.....	.....	.....	2	.....	.....	1	.....	.....

Table 6—Births (exclusive of Stillbirths) by Months, Classified as Rural and Urban, in the Province of Ontario, 1943—Continued

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Welland.....	2295	202	169	224	181	202	181	184	203	199	189	172	189
Rural.....	189	14	13	20	15	13	18	19	15	16	13	17	16
Urban.....	2106	188	156	204	166	189	163	165	188	183	176	155	173
Niagara Falls, c.....	743	78	58	68	58	63	50	65	71	64	63	53	52
Welland, c.....	832	63	68	69	61	87	71	65	78	74	60	56	80
Fort Erie, t.....	273	24	19	32	23	21	20	18	20	22	27	23	24
Port Colborne, t.....	152	17	9	20	16	10	15	7	6	17	14	15	6
Thorold, t.....	77	5	2	13	5	5	5	7	11	6	8	7	3
Chippawa, vl.....	1												
Fonthill, vl.....	1										1		
Humberstone, vl.....	27	1		2	3	3	2	3	1		3	1	8
Wellington.....	1110	80	70	95	106	94	110	101	91	97	92	91	83
Rural.....	448	23	35	36	38	44	53	41	30	47	44	18	39
Urban.....	662	57	35	59	68	50	57	60	61	50	48	73	44
Guelph, c.....	371	28	18	32	41	28	31	36	36	26	22	50	23
Harriston, t.....	17	3	1	2	2	2						2	5
Mount Forest, t.....	77	7	4	8	13	4	8	8	6	4	6	4	5
Palmerston, t.....	59	3	6	4	1	4	5	5	8	7	6	6	4
Elora, vl.....	4	3											
Fergus, vl.....	134	13	6	13	11	12	13	10	11	13	14	11	7
Wentworth.....	4833	424	411	404	400	401	419	423	421	444	372	339	375
Rural.....	94	5	10	10	5	6	9	6	8	11	6	7	11
Urban.....	4739	419	401	394	395	395	410	417	413	433	366	332	364
Hamilton, c.....	4726	417	401	393	394	393	409	416	413	432	365	330	363
Dundas, t.....	12	2		1	1	1	1	1		1	1	2	1
Stoney Creek, vl.....	1					1							
York.....	17942	1464	1461	1593	1616	1688	1585	1643	1399	1477	1388	1276	1352
Rural.....	2012	174	147	173	179	197	182	193	162	168	139	144	154
Urban.....	15930	1290	1314	1420	1437	1491	1403	1450	1237	1309	1249	1132	1198
Toronto, c.....	15133	1224	1260	1346	1351	1402	1339	1386	1172	1252	1174	1084	1143
Aurora, t.....	7	1	1	1	2		1			1			2
Leaside, t.....	6					1			1		1		2
Mimico, t.....	73	7	5	9	7	6	8	3	6	1	7	8	6
Newmarket, t.....	291	18	22	25	38	34	22	20	22	24	34	18	14
New Toronto, t.....	34	3	2	1	3	5	5	5	2	2			1
Weston, t.....	177	19	9	14	15	16	12	16	18	14	16	11	17
Forest Hill, vl.....	6					2		2					1
Long Branch, vl.....	24	1	4	1	4	3	2	1	1	1	2	1	3
Markham, vl.....	68	9	5	8	5	8	6	7	4	5	7	2	2
Richmond Hill, vl.....	27	2	3	2	3	3		1	3	5	1	2	2
Stouffville, vl.....	44	2		7	5	8	4	6	2	2	1	3	4
Sutton, vl.....	35	2	3	5	4	3	3	3	3	1	3	2	3
Swansea, vl.....	3	1					1			1			
Woodbridge, vl.....	2										1		
District of Patricia.....	87	6	10	6	12	10	7	3	5	8	7	9	4

Table 7—Total Live Births and Live Births in Institutions, Showing the Number of Mothers Non-resident in the Province of Ontario, 1943

	ALL LIVE BIRTHS		IN INSTITUTIONS	
	Total	Mothers non-resident in Province	Total	Mothers non-resident in Province
Total for the Province.....	81,173	989	62,560	912

Table 8—Births (exclusive of Stillbirths) to Resident and Non-Resident Mothers, and Births in Institutions, in the Cities, Towns, and Villages of Ontario of 5,000 Population and over, 1943.

(As at Census 1941)

Cities, Towns, and Villages	ALL BIRTHS				BIRTHS IN INSTITUTIONS				BIRTHS ELSEWHERE THAN IN INSTITUTIONS				
	Total	Resident mothers	Mothers non-resident in city, town, or village where birth occurred and		Total	Resident mothers	Mothers non-resident in city, town, or village where birth occurred and		Total	Resident mothers	Mothers non-resident in city, town, or village where birth occurred and		
			Resident in Province	Non-resident in Province			Resident in Province	Non-resident in Province			Resident in Province	Non-resident in Province	
<b>Cities:</b>													
Belleville.....	1,011	384	619	8	978	354	616	8	33	30	3		
Brantford.....	978	781	192	5	900	710	185	5	78	71	7		
Chatham.....	1,209	434	771	4	1,155	383	768	4	54	51	3		
Fort William.....	751	589	154	8	721	559	154	8	30	30			
Galt.....	438	303	133	2	404	269	133	2	34	34			
Guelph.....	371	243	125	3	344	220	121	3	27	23	4		
Hamilton.....	4,726	3,677	1,015	34	4,551	3,508	1,009	34	175	169	6		
Kingston.....	1,502	939	522	41	1,452	898	514	40	50	41	8	1	
Kitchener.....	1,282	710	572		1,233	664	569		49	46	3		
London.....	2,337	1,716	595	26	2,284	1,663	595	26	53	53			
Niagara Falls.....	743	554	186	3	724	535	186	3	19	19			
North Bay.....	488	346	137	5	410	274	131	5	78	72	6		
Oshawa.....	842	586	253	3	800	546	252	2	42	40	1	1	
Ottawa.....	4,541	3,209	984	348	4,224	2,902	976	346	317	307	8	2	
Owen Sound.....	503	318	185		452	278	174		51	40	11		
Peterborough.....	995	643	351	1	965	615	349	1	30	28	2		
Port Arthur.....	848	556	286	6	842	550	286	6	6	6			
St. Catharines.....	1,182	718	460	4	1,099	659	437	3	83	59	23	1	
St. Thomas.....	735	397	328	10	715	382	323	10	20	15	5		
Sarnia.....	707	456	247	4	684	433	247	4	23	23			
Sault Ste. Marie.....	901	728	166	7	796	634	156	6	105	94	10	1	
Stratford.....	541	286	252	3	528	275	250	3	13	11	2		
Sudbury.....	1,915	1,361	550	4	1,298	830	464	4	617	531	86		
Toronto.....	15,133	10,749	4,258	126	14,139	9,796	4,220	123	994	953	38	3	
Welland.....	832	404	425	3	769	347	419	3	63	57	6		
Windsor.....	3,442	2,510	894	38	3,152	2,232	882	38	290	278	12		
Woodstock.....	415	264	149	2	404	254	148	2	11	10	1		
<b>Towns:</b>													
Barrie.....	486	256	204	26	454	232	197	25	32	24	7	1	
Brampton.....	328	107	221		326	105	221		2	2			
Brockville.....	495	255	235	5	486	247	234	5	9	8	1		
Cobourg.....	203	95	108		174	71	103		29	24	5		
Collingwood.....	297	155	142		257	133	124		40	22	18		
Cornwall.....	823	538	267	18	715	433	265	17	108	105	2	1	
Dundas.....	12	12							12	12			
Eastview.....	100	94	4	2					100	94	4	2	
Fort Erie.....	273	190	78	5	271	188	78	5	2	2			
Fort Francis.....	203	124	78	1	180	111	68	1	23	13	10		
Hawkesbury.....	333	224	46	63	170	64	45	61	163	160	1	2	
Ingersoll.....	211	121	90		193	103	90		18	18			
Kenora.....	253	163	85	5	250	161	84	5	3	2	1		
Leamington.....	265	110	152	3	170	62	107	1	95	48	45	2	
Leaside.....	6	6							6	6			
Lindsay.....	390	160	230		372	144	228		18	16	2		
Midland.....	255	156	99		225	127	98		30	29	1		
Mimico.....	73	50	23		33	17	16		40	33	7		
New Toronto.....	34	29	5		2		2		32	29	3		
Orillia.....	421	259	161	1	405	243	161	1	16	16			
Parry Sound.....	449	212	236	1	414	183	230	1	35	29	6		
Pembroke.....	562	281	252	29	493	221	245	27	69	60	7	2	
Port Colborne.....	152	83	69		3	2	1		149	81	68		
Port Hope.....	155	100	54	1	153	98	54	1	2	2			
Preston.....	7	7			1	1			6	6			
Renfrew.....	297	137	154	6	276	118	152	6	21	19	2		
Simcoe.....	434	169	262	3	418	154	261	3	16	15	1		
Smiths Falls.....	204	135	67	2	195	129	64	2	9	6	3		
Thorold.....	77	48	29		58	31	27		19	17	2		
Timmins.....	829	742	86	1	476	402	73	1	353	340	13		
Trenton.....	84	79	4	1					84	79	4	1	
Waterloo.....	26	23	3		1		1		25	23	2		
Weston.....	177	58	117	2	149	34	113	2	28	24	4		
Whitby.....	16	14	2		2		2		14	14			
<b>Villages:</b>													
Forest Hill.....	6	6							6	6			
Long Branch.....	24	23	1		1		1		23	23			
Swansea.....	3	3							3	3			





Table 10—Births (exclusive of Stillbirths) Classified

Age of Father	Total Fathers	AGE OF																
		12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Under 16 years.....																		
16 years.....	8				1			2		2								
17 ".....	39			3	6	10	11	7		1			1					
18 ".....	215			7	19	45	59	37	21	6	10	5	3		2			
19 ".....	503			3	26	77	103	136	69	33	29	10	7	4			1	3
20 ".....	983			2	21	86	160	208	187	149	76	44	17	13	3	8	3	
21 ".....	1671			7	28	78	174	305	348	307	200	101	54	26	13	10	6	
22 ".....	2220			4	21	69	167	309	412	450	333	211	106	45	34	20	12	
23 ".....	2847			15	58	175	333	406	549	427	377	219	121	64	32	24	14	
24 ".....	3238			4	20	48	123	230	362	478	547	519	353	218	131	85	45	
25 ".....	3759			2	2	41	108	220	301	462	530	543	512	403	242	146	94	
26 ".....	4169		1	4	10	32	87	157	285	417	477	595	537	408	402	285	173	
27 ".....	4495			2	4	31	54	140	227	325	413	572	584	510	486	406	302	
28 ".....	4885			3	10	21	55	115	196	282	375	432	559	533	581	505	496	
29 ".....	4880			1	6	15	43	82	140	234	329	384	437	496	510	575	504	
30 ".....	4690			2	3	15	31	56	101	159	243	297	347	397	456	520	554	
31 ".....	4268			1	3	9	19	58	77	125	172	196	267	320	419	398	459	
32 ".....	4148				1	6	20	30	58	80	154	188	210	276	337	372	457	
33 ".....	3879			1	7	23	32	48	85	85	170	165	222	247	296	378		
34 ".....	3450				1	3	11	21	25	55	100	98	134	146	174	217	276	
35 ".....	3112			1	1	3	11	15	29	37	50	79	69	131	140	176	229	
36 ".....	2751			1		2	7	18	27	25	55	60	63	84	108	142	153	
37 ".....	2514					4	3	7	18	22	47	40	50	64	95	112	131	
38 ".....	2360				1	1	5	1	9	7	22	39	43	47	68	79	161	
39 ".....	1974							1	3	8	18	19	29	34	32	46	74	84
40 ".....	1696								1	12	14	8	27	25	27	50	52	60
41 ".....	1402						1	2	4	7	9	13	17	15	19	29	26	46
42 ".....	1355								1	5	14	11	13	13	16	23	32	46
43 ".....	1172						1	3	12	2	6	9	9	11	20	26	30	28
44 ".....	788							1	1	4	3	8	10	11	11	9	14	23
45 ".....	723								1	1	2	4	8	9	11	6	12	10
46 ".....	565									1	2	4	5	3	5	12	12	6
47 ".....	497					1			5	1	2	4	2	7	7	2	8	10
48 ".....	427								1	2	2	2	5	5	7	5	7	11
49 ".....	324								1	1	1	2	3	3	5	2	4	3
50 ".....	287									1		1	3	4	3	2	8	8
51 ".....	201										3		1	2	2	4	2	4
52 ".....	198										1		2	1	1	2	6	9
53 ".....	130											1		3	2	2	1	1
54 ".....	122											2		1	1	1	2	1
55 ".....	78											1		2			2	2
56 ".....	63												1				1	1
57 ".....	61									1			2		1	2		1
58 ".....	58												1	2	1	2	1	4
59 ".....	43											2		1				1
60 ".....	34										1			2		1		
61 ".....	13												1					
62 ".....	24															1	2	3
63 ".....	14															1		
64 ".....	7															1		
65 and over.....	42													1	1	1		2
Not stated.....	113				1	1	5	2	2	6	2	5	3	2	4	1	1	1
Children born to married mothers..... Total	77,432			1	81	204	674	1489	2551	3398	4399	4800	5104	4904	4699	4749	4677	4835
M.....	39,656				24	110	325	762	1323	1743	2265	2469	2606	2618	2407	2448	2386	2496
F.....	37,776			1	27	94	349	697	1228	1652	2134	2331	2498	2286	2292	2301	2291	2339
Children born to unmarried mothers..... Total	3,741		3	25	54	139	219	328	354	333	342	311	225	170	177	142	133	110
M.....	1,936		2	15	26	59	105	175	189	170	183	169	110	81	95	67	68	59
F.....	1,805		1	10	28	80	114	153	165	163	159	142	115	89	82	75	65	51
Children born to all mothers..... Total	81,173		3	26	105	343	893	1787	2905	3731	4741	5111	5329	5074	4876	4891	4810	4945
M.....	41,592		2	15	50	169	436	937	1512	1916	2448	2638	2716	2699	2502	2515	2454	2555
F.....	39,581		1	11	55	174	463	850	1393	1815	2293	2473	2613	2375	2374	2376	2356	2390







Other races	5	81	29	3	1	2	1	17	16	1	1	4	2	1	1	1	1	2	1	1	4									
Unspecified	453																				254									
Children born to married mothers	77432	28191	10329	494	116	18353	108491	11684	3241	87376	21	1157	54	1437	176	1219	166	315	265	1527	17241	37	1064	892	1246	184	8	466		
M.	39656	14455	5322	244	66	10176	49235	6002	163743	183	13	604	23	749	87	617	82	170	135	762	8423	20	534	453	624	101	3	259		
F.	37776	13736	5007	250	50	8177	59256	5682	160444	193	8	553	31	688	89	602	84	145	130	765	8818	17	530	439	622	83	5	207		
Children born to unmarried mothers	3741	1221	472	25	7	7	8	14	584	113	6	17	2	37	2	69	13	67	11	19	13	102	10	1	1	3	9	19	80	
M.	1936	636	304	265	4	1	3	6	7	293	61	1	9	2	17	38	8	34	7	14	4	50	5	1	1	90	2	15	46	
F.	1805	585	310	207	12	3	4	2	7	291	52	5	8	20	2	31	5	33	4	5	9	52	5	1	1	103	7	4	34	
Children born to all mothers	81173	29412	13101	10801	519	123	20360	116505	12268	3354	93	393	23	1194	56	1506	189	1286	177	334	278	1629	18241	38	1167	1085	1255	203	8	546
M.	41592	15091	6900	5587	257	70	11179	55242	6295	1698	44	192	15	621	23	787	95	651	89	184	139	812	89	23	20	634	626	116	3305	
F.	39581	14321	6411	5214	262	53	9181	61263	5973	1656	49	201	8	573	33	719	94	635	88	150	139	817	93	18	18	533	629	87	5241	

\*Including all Ruthenian Russians.

Table 12—Legitimate Births (exclusive of Stillbirths) Classified

Racial Origin of Mother	Total	AGE OF															
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
British.....	51,501		27	113	390	961	1583	2154	2828	3195	3393	3285	3065	3170	3210	3292	
English.....	28,191		20	67	222	556	911	1245	1648	1811	1897	1798	1699	1835	1807	1829	
Irish.....	12,487		5	26	86	226	378	488	674	746	820	779	738	700	750	780	
Scottish.....	10,329		2	19	77	165	276	402	481	600	642	676	600	609	629	649	
Other.....	494			1	5	14	18	19	25	38	34	32	28	26	24	34	
European.....	23,024		20	85	249	447	874	1138	1436	1430	1560	1456	1485	1395	1302	1318	
Austrian.....	116				1	1	1	4	7	4	10	8	7	12	9	5	
Bulgarian.....	18				1	1	3					2					
Czech and Slovak.....	353			2	4	3	14	21	22	26	21	12	6	7	7	12	
Danish.....	108						2	6	4	8	4	10	7	6	10	6	
Finnish.....	491				4	8	13	16	21	28	25	29	41	19	29	22	
French.....	11,684		10	56	149	254	489	617	712	741	770	703	735	681	642	651	
German.....	3,241		6	6	18	43	81	126	164	164	207	211	230	193	193	208	
Greek.....	87				2		4	5	10	5	7	3	2	2	4	7	
Hungarian.....	376				11	7	20	24	43	33	34	20	17	8	18	15	
Icelandic.....	21						1	1	3		2	1	4	1		1	
Italian.....	1,157		1	3	6	18	38	57	74	80	69	91	70	91	64	90	
Lithuanian.....	54			3		1		1	2		5	2	4	4	4	8	
Netherland, Flemish, Walloon.....	1,437			4	14	26	50	79	100	88	93	98	92	97	71	80	
Norwegian.....	176				1	2	7	7	11	6	11	12	16	18	7	6	
Polish.....	1,219		1	3	12	22	43	49	75	74	86	65	85	83	84	72	
Roumanian.....	166			1	2	14	9	5	5	12	14	10	12	12	11	8	
Russian (Races of U. S. S. R.).....	315			1		3	8	21	22	16	22	32	24	15	25	16	
Swedish.....	265		1		1	3	11	7	24	13	25	21	19	14	21	13	
Ukrainian*.....	1,527		1	6	17	33	69	77	118	119	136	118	111	122	97	89	
Yugoslavic.....	172				4	7	10	12	12	9	16	5	3	6	4	6	
Other.....	41				2	1	1	3	3	2	3	3	....	4	2	3	
Asiatic.....	111					2	3	5	6	13	5	5	7	4	7	8	
Chinese.....	37						1	2	3	5	1	2	4	1	4	2	
Japanese.....	10						1			2		1	1	1		2	
Syrian.....	64					2	1	3	3	6	4	2	2	2	3	4	
Indian.....	892		3	3	20	22	44	42	59	60	49	48	36	43	47	56	
Jewish.....	1,246				3	5	18	17	36	52	56	66	78	92	91	125	
Negro.....	184		1		2	2	11	16	8	13	24	15	13	5	10	2	
Other races.....	8				1					1				2		8	
Unspecified.....	466		1	1	9	11	13	34	21	25	26	31	23	33	18	28	
Total.....	77,432	1	51	204	674	1459	2551	3398	4399	4800	5104	4904	4699	4749	4677	4835	

\*Including all Ruthenian Russians.

according to Age and Racial Origin of Mothers, Ontario, 1943

MOTHER

29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 and over	Not stated
3105	2727	2284	2153	1858	1658	1473	1274	1029	919	714	557	354	295	197	104	57	29	17	6	2	2	21
1677	1478	1225	1148	972	850	770	670	513	421	342	274	169	127	83	55	32	15	8	4	1	1	12
726	604	558	545	494	432	359	313	299	278	205	142	106	98	67	26	15	8	5	1	2	1	7
673	602	482	440	378	362	333	283	208	208	163	137	78	67	44	22	9	6	4	1	.....	.....	2
29	43	19	20	14	14	11	8	9	12	4	4	1	3	3	1	1	.....	.....	.....	.....	.....	.....
1126	1001	902	840	811	688	648	585	503	463	342	274	199	176	124	55	29	20	9	4	3	.....	27
4	5	5	3	9	6	3	3	4	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1	.....	.....	1	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	13	16	9	17	17	20	14	21	10	13	8	7	7	3	1	.....	.....	.....	.....	.....	.....	.....
8	2	5	4	3	3	5	4	4	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	16	10	35	27	14	24	18	17	15	9	14	7	5	3	2	.....	.....	.....	.....	.....	.....	.....
573	508	438	409	416	342	318	293	246	242	189	141	105	94	74	30	14	12	4	4	2	.....	20
160	152	164	147	130	109	114	93	64	69	54	41	34	24	14	7	7	4	1	.....	1	.....	2
7	6	1	6	4	1	4	3	.....	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	16	15	11	9	13	7	10	7	10	.....	3	4	6	3	.....	1	1	.....	.....	.....	.....	.....
.....	.....	1	1	1	.....	.....	1	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
66	67	60	33	30	22	26	15	23	23	11	3	10	6	4	2	1	2	1	.....	.....	.....	.....
2	2	2	1	2	2	2	.....	3	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
67	57	64	57	58	54	36	27	28	26	15	18	15	14	5	2	2	.....	.....	.....	.....	.....	.....
9	7	10	11	2	10	6	6	4	1	1	2	1	.....	.....	.....	1	1	.....	.....	.....	.....	.....
61	60	42	36	39	36	28	37	33	26	25	16	9	4	9	2	.....	.....	.....	.....	.....	.....	2
8	11	3	2	3	3	3	9	2	1	.....	2	3	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
17	17	9	13	12	8	8	7	5	6	.....	4	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	8	8	7	10	12	12	6	4	4	.....	2	3	2	1	1	.....	1	.....	.....	.....	.....	.....
72	47	43	49	31	30	25	31	26	15	12	10	3	5	3	6	2	.....	1	.....	.....	.....	3
8	4	6	3	9	3	6	8	9	3	5	7	1	3	2	1	.....	.....	.....	.....	.....	.....	.....
3	2	.....	2	.....	1	1	.....	2	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	5	5	8	4	4	1	7	1	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	1	.....	3	1	2	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	4	4	5	3	2	1	3	.....	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	39	32	37	24	25	32	23	21	21	16	12	11	11	6	3	1	.....	2	.....	.....	1	1
99	97	89	68	58	42	45	27	26	20	18	7	3	4	2	1	.....	.....	.....	1	.....	.....	.....
6	3	6	3	3	7	3	6	2	1	2	3	1	1	2	.....	2	.....	2	.....	.....	.....	1
.....	1	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	19	22	19	16	16	10	8	6	9	11	5	2	1	2	3	2	1	.....	.....	.....	.....	21
4404	3892	3340	3129	2774	2440	2213	1931	1588	1435	1104	859	570	488	333	166	91	50	30	11	5	3	71

Table 13—Births (exclusive of Stillbirths) Classified

Birthplace of Father	Total Fathers	BIRTHPLACE														
		Canada										British Isles				
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province not specified	England	Ireland	Scotland	Wales	Other
Canada	63,858	71	402	342	3415	50,580	1369	1728	498	231	39	1817	281	780	69	13
Prince Edward Island	82	32	3	3	3	29	1	3	1			3				
Nova Scotia	552	3	145	11	22	267	18	12	7	5		17	3	10		
New Brunswick	443	3	5	107	49	205	14	10	3	2		15	3	5		
Quebec	3,957	4	16	43	1545	2003	48	47	18	6		61	9	32	2	1
Ontario	54,436	24	206	151	1700	46,065	628	882	280	123	8	1591	243	687	61	11
Manitoba	1,627		11	6	39	699	514	136	27	16		46	7	16	1	1
Saskatchewan	1,786	3	9	8	33	828	107	581	46	13	1	36	8	19	4	
Alberta	603	1	5	9	17	323	28	43	96	15		25	4	5	1	
British Columbia	293	1	2	4	7	138	11	14	19	50		13	1	4		
Province, unspecified	79					23			1	1	28	10	3	2		
British Isles	7,093	8	44	25	174	4,460	131	142	58	29	33	950	189	530	38	8
England	4,438	4	31	12	112	2,865	68	94	43	19	24	728	59	194	15	3
Ireland	735		5	5	9	451	18	14	5	3	2	44	101	57	2	
Scotland	1,672	4	7	7	49	980	42	26	8	7		155	27	271	3	1
Wales	209		1	1	3	144	3	6	2			16	2	4	18	2
Other	39				1	20		2				7		4		2
British Possessions	291		5	1	21	136		9	3	1		28	4	10	1	
Newfoundland	146		2		12	62		3	2			11	3	5		
Other	145		3	1	9	74		6	1	1		17	1	5	1	
Europe	4,421	1	16	5	110	1,377	223	180	32	4	6	61	13	28	2	
Austria	139				4	45	14	7	2		1			1		
Belgium	137				3	54	7	1						1		
Czechoslovakia	307		1			27	6	8				3				
Denmark	79				2	30	6	2	1			7	1	1		
Finland	226				4	85	2	3	1			2	1	1	1	
France	23		2		2	10								1		
Germany	170				4	83	13	11	1	2			5	2		
Hungary	292				3	53	4	19	2		1	5			1	
Italy	551		5	1	21	253	8	1	3		2	6	1			
Netherlands	119				1	50	1	1				7		4		
Norway	81	1			2	48	6	6		1	1	2	1			
Poland	1,001		3		20	271	74	48	9		1	13		7		
Roumania	154			1	9	37	6	17	3			1	1			
Russia (U.S.S.R.)	611		2	1	16	163	42	36	6	1		7		3		
Sweden	104			1	3	45	13	7	2			2		1		
Yugoslavia	221		1		3	51	10	7	2			3		1		
Other	206		2	1	10	72	11	6				2	2	6		
Asia	95		3	1	4	37	1	2	1	13		5	1	3		
China	56		1	1	3	25		1	1	9		4		3		
Japan	10					4	1			4		1				
Other	29		2		1	8		1					1			
United States	1582	2	20	6	64	1,056	39	61	24	6	2	63	6	24	4	2
Other American countries	18		1		1	10	1	2				1				
Other countries	6					1	2					1				
Unspecified	68		1		1	30	1	3					1			
Children born to married mothers	77,432	82	492	380	3790	57,687	1767	2127	616	284	80	2926	495	1375	114	23
Children born to unmarried mothers	3,741	8	33	27	178	2,874	108	117	26	9	5	98	16	51	7	
Children born to all mothers	81,173	90	525	407	3968	60,561	1875	2244	642	293	85	3024	511	1426	121	23

according to Birthplace of Parents, Ontario, 1943

OF MOTHER

Newfoundland	Europe																	Asia				United States	Other American countries	Other countries	Unspecified
	Other	Austria	Belgium	Czechoslovakia	Denmark	Finland	France	Germany	Hungary	Italy	Netherlands	Norway	Poland	Roumania	Russia (U.S.S.R.)	Sweden	Yugoslavia	Other	China	Japan	Other				
123	52	8	31	30	17	53	6	26	47	63	23	9	177	28	88	12	21	13	11	1	3	1340	11	4	26
8	1			2					1	1			1	1								3	16	1	
1	2				1																	17			
7	4			1	1			2		6			10	1	2				3	1		42			
100	36	5	25	21	13	46	4	19	35	53	22	6	119	20	63	11	17	9	6	1	2	1108	10	3	23
2	4	1	2	3	1	4	1		5	1	1	1	23	3	3	1	2		1			42			
1	3	1	2	1	1			3	4	1	1	1	20	3	10	1						37			
1	1	1	2	2		1	1	1	1				2		1							17			
2	1				1			1	1						1				3	1		17			1
2						1				1			2						1			4			
25	17	3	1	6	1	5	3	3	3	4	4	2	9	1	7	2	1	2	1	1	1	162	2	2	6
16	12	2		3		3	3	2	2	1	2	1	5	1	3	2	2					101	1	2	3
1	1	1							2	1	1	1	1	1	1		1					12			1
6	4	1	1	1	1	2		1	1	3	1	1	3		3				1	1		44	1		2
2				1																	1	5			
2				1																					
42	9							2					2							1	1	15			
42																				1		3			
9								2					2								1	12			
3	5	62	55	246	27	142	14	35	196	224	50	9	566	72	305	16	139	86	1		2	103	2	1	2
		43		2	6			1	2				8		2							1	1		
		1	50	4	3		3	1	6	1	4			3	2				1			6			
			1	223	1	1	2	6	2	1			11	3	2		6		1			2			
			1	22	3	3		6	6	1						1						1			
			2	117	11														1			6			
	1	4		1	1	4		22	3	1			2	5	4		2	1							
	1	1		5	1	1	1	2	165	2	1		1	7	1		8					12			
2	1	1			1	1	2	2	2	217	1		1	1	1			3				20			
	1	1	2		2			1	1	46			1									1			
	1	1			2						6								1			2			
	1	1		4	1	1	1	2	2				471	6	37				7			20	1		2
	1	1		1	1	1	2	2	8				12	42	4							2			
	1	7		1	1	1							49	1	248	1		6				15	1	1	
1	1			1	1	6		1					2	1	13		1		6			4			
	1	1		3	1	1		4	2				5	4	1		115	1				7			
	1	1			2	2	3	1	1				7	3	3		64				2	4			
	1												1						6		12	4			
	1																		6		2	2			
	1												1								12				
1	3	1	3	3	2	10	1	1	3	4	2		7	1	2	1	1				1	154	1		1
							1	1														1	1		
1																						1			29
195	87	74	90	285	47	210	25	68	249	295	79	20	762	102	402	31	162	101	19	3	20	1780	17	7	64
13	3	3	6	4	1	11	2	1	9	3	2	4	21	2	9	3	7	4				57			19
208	90	77	96	289	48	221	27	69	258	298	81	24	783	104	411	34	169	105	19	3	20	1837	17	7	83

Table 14—Legitimate Births (exclusive of Stillbirths) Classified

Birthplace of Mother	Total	AGE OF																
		13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Canada.....	67,305	1	50	196	634	1365	2363	3131	3981	4383	4594	4431	4305	4349	4267	4396	3952	
Prince Edward Island.....	82				1	2	3	4	5	2	8	3	11	4	8	6		
Nova Scotia.....	492				2	8	13	19	31	24	26	37	32	31	34	27	40	
New Brunswick.....	380				3	1	17	13	25	33	33	25	31	27	23	16	14	
Quebec.....	3,790	1	11	32	54	94	137	146	202	236	234	204	237	214	285	230		
Ontario.....	57,687	1	48	178	571	1239	2123	2774	3446	3776	3914	3746	3658	3645	3614	3661	3322	
Manitoba.....	1,767			2	7	18	37	57	106	116	137	139	124	153	133	159	121	
Saskatchewan.....	2,127		1	3	12	32	52	88	163	145	182	175	175	180	177	176	135	
Alberta.....	616			1	6	17	26	42	56	41	40	57	47	47	53	53		
British Columbia.....	284			1	2	5	11	15	24	20	21	16	15	19	25	24		
Province unspecified.....	80				4	3	2	2	3	2	3	6	5	3	2	6	7	
British Isles.....	4,933				3	19	41	89	137	172	240	257	202	211	195	204	223	
England.....	2,926				2	11	18	43	67	96	147	166	122	132	124	106	119	
Ireland.....	495				1	2	8	10	21	19	21	14	18	17	17	22		
Scotland.....	1,375				4	13	30	45	51	66	65	57	56	45	73	78		
Wales.....	114					2	2	5	4	6	6	6	5	7	6	2		
Others.....	23							1							2	2		
British Possessions.....	282				2	4	6	8	10	8	20	16	22	21	16	11	18	
Newfoundland.....	195				2	3	5	8	8	7	17	13	12	16	12	8	12	
Other.....	87				1	1				2	3	10	5	4	3	6		
Europe.....	3,002		1	4	24	31	85	125	180	155	147	101	64	55	88	120	121	
Austria.....	74									2	3	1	2		1	1		
Belgium.....	90				1		2	10	11	3	8	5	3	1	2	3	5	
Czechoslovakia.....	285			2	2	3	14	21	19	19	17	5	2	4	4	7	13	
Denmark.....	47							2	2	3	2	3	1	1	6	3	2	
Finland.....	210				1		6	5	7	7	4	10	8	1	3	2	3	
France.....	25									2	1	1	1	1	3			
Germany.....	68					1	2	3	3	2	3	2	1		2	4	1	
Hungary.....	249			6	7	15	19	32	18	24	8	4	2	9	6	5		
Italy.....	295				1	1	5	8	19	15	10	12	5	12	9	12	12	
Netherlands.....	79				1	2	5	9	4	6	5	4	3	3	4	3		
Norway.....	20							1	3	1	1				1	1		
Poland.....	762		1	1	5	9	21	19	37	33	26	22	14	15	23	39	37	
Roumania.....	102				2	4	5	8	6	9	5	6	3	2	3	3	1	
Russia (U.S.S.R.).....	402				2	4	4	9	13	19	13	14	9	5	17	20	26	
Sweden.....	31							1	4	1	1	5	1	1		1		
Yugoslavia.....	162				4	5	6	12	11	13	17	4	3	1		7	6	
Other.....	101			1			3	2	4	4	6		4	4	3	8	5	
Asia.....	42								1	4	1	2			1	4	3	
China.....	19									1		1			1	2	2	
Japan.....	3											1						
Other.....	20								1	3	1					2	1	
United States.....	1,780			4	11	38	51	44	86	73	98	94	104	111	107	96	84	
Other American countries.....	17								2			2	1		1	3	2	
Other countries.....	7									1	1						1	
Unspecified.....	64					2	5	1	2	4	3	1	1	2	2	1		
Total.....	77,432	1	51	204	674	1459	2551	3398	4399	4800	5104	4904	4699	4749	4677	4835	4404	



according to Age and Birthplace of Mothers, Ontario, 1943

MOTHER

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50 and over	Not stat ed-
3330	2814	2535	2194	1926	1732	1441	1144	1043	808	616	424	355	244	118	68	34	23	7	4	3	44
...	1	5	4	1	3	3	2	2	5	6	1	3	1	1	1	1	1	1	1	1	1
24	20	18	14	21	14	15	10	13	5	4	2	5	3	2	2	2	2	2	2	2	2
20	14	14	11	13	9	3	11	5	4	2	5	6	2	2	2	2	2	2	2	2	2
194	170	165	155	119	115	116	86	97	76	51	44	32	30	11	4	2	2	1	1	1	3
98	2830	2409	2150	1876	1678	1524	1231	980	902	705	541	363	307	205	106	62	30	21	6	4	2
75	78	61	38	27	33	26	10	10	9	6	4	2	2	2	1	1	1	1	1	1	39
105	90	65	38	43	24	24	18	10	2	6	2	2	2	2	1	1	1	1	1	1	1
29	21	26	15	8	10	8	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1
26	10	10	12	4	5	7	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	4	4	8	1	1	1	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1
275	264	316	299	263	231	262	244	230	164	140	78	68	47	28	13	11	3	3	1	1	1
149	162	185	186	146	134	175	158	129	91	89	50	46	32	19	11	8	1	2	1	1	1
36	20	31	31	34	23	17	26	26	24	14	6	7	4	2	2	1	1	1	1	1	1
82	79	92	75	75	69	64	53	68	48	35	20	12	9	7	2	2	1	1	1	1	1
6	3	6	6	8	5	5	5	6	2	2	2	2	2	2	2	2	2	2	2	2	2
2	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	14	15	12	10	10	11	6	9	4	6	4	3	3	1	1	1	1	1	1	1	1
10	9	10	9	5	6	6	2	4	2	4	2	2	3	1	1	1	1	1	1	1	1
4	5	5	3	5	4	5	4	5	2	2	2	2	2	1	1	1	1	1	1	1	1
157	146	171	169	151	156	152	142	120	93	78	48	52	30	14	8	5	4	1	1	1	4
...	2	5	8	12	6	7	6	5	4	4	1	2	2	1	1	1	1	1	1	1	1
5	4	4	1	3	2	1	4	1	5	1	2	3	2	1	1	1	1	1	1	1	1
10	10	8	17	14	18	13	19	8	12	6	6	7	4	1	1	1	1	1	1	1	1
...	1	4	1	3	2	3	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
11	6	19	18	9	16	16	11	13	6	12	7	3	4	2	2	2	2	2	2	2	2
1	4	1	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
4	8	2	5	1	3	3	3	3	5	3	2	2	2	2	2	2	2	2	2	2	2
7	11	9	8	12	6	8	6	8	2	3	3	6	3	3	3	3	3	3	3	3	3
21	19	14	21	11	16	8	12	15	9	3	9	6	4	2	1	2	1	1	1	1	1
4	1	2	3	4	3	2	1	4	1	3	1	1	1	1	1	1	1	1	1	1	1
1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
45	38	51	50	41	42	50	38	34	29	19	6	3	7	4	1	1	1	1	1	1	1
7	4	3	4	2	4	8	1	2	1	3	1	3	1	1	1	1	1	1	1	1	1
33	26	36	20	22	22	18	20	14	8	8	5	11	3	2	1	1	1	1	1	1	1
...	2	1	1	1	3	1	3	3	1	3	3	4	1	1	1	1	1	1	1	1	1
2	3	4	9	6	5	10	10	4	5	7	2	4	1	1	1	1	1	1	1	1	1
6	6	8	7	4	6	2	5	4	4	2	2	1	1	1	1	1	1	1	1	1	1
3	...	7	4	4	2	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	5	1	2	...	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	2	3	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
108	100	83	95	83	77	58	49	31	32	17	16	13	9	5	2	...	...	...	...	...	1
1	...	...	...	...	2	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	1	1	2	1	2	1	1	1	3	2	...	...	...	...	...	...	...	...	...	...	21
3	1	2	1	3	1	1	1	1	3	2	...	...	...	...	...	...	...	...	...	...	21
3892	3340	3129	2774	2440	2213	1931	1588	1435	1104	859	570	488	333	166	91	50	30	11	5	3	71

**Table 15—Plural Births Classified to Show Number of Children Born Alive and Stillborn by Sex, for the Province of Ontario, 1943**

CLASSIFICATION OF BIRTHS		Number
Twin Births.....		863
Two males (both living).....		264
One male and one female (both living).....		282
Two females (both living).....		255
One male living and one male stillborn.....		22
One male living and one female stillborn.....		3
One male stillborn and one female living.....		12
One female living and one female stillborn.....		8
Two males (both stillborn).....		6
One male and one female (both stillborn).....		6
Two females (both stillborn).....		5
Triplet births.....		7
Three males (all living).....		2
Two males and one female (all living).....		1
One male and two females (all living).....		1
Three females (all living).....		2
Two males stillborn and one female living.....		1
Total multiple births.....	No.	870
	M.	898
	F.	849
Total single live births.....	No.	79,507
	M.	40,748
	F.	38,759
Total single stillbirths.....	No.	1,979
	M.	1,051
	F.	928
Total confinements.....		82,356

**MARRIAGES**

**Table 16—Marriages in the Province of Ontario by Months, 1943**

	Total Marriages	Months											
		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total for the province</b>	36,109	2,369	2,226	2,485	2,667	3,100	4,671	3,521	3,092	3,587	3,197	2,663	2,441

**Table 17—Marriages—Conjugal Condition of Contracting Parties, in the Province of Ontario, 1943**

Total Marriages	MARRIAGES BETWEEN									Per cent. of Bridegrooms who were			Per cent. of Brides who were			
	Bachelors and			Widowers and			Divorced men and			Bachelors	Widowers	Divorced	Spinsters	Widows	Divorced	
	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women							
<b>Total for the province</b>	36,109	35,144	108	58	256	413	18	81	12	19	97.8	1.9	0.3	98.3	1.5	0.3



Table 19—Marriages—Denominations of

Denomination of Groom	Total grooms	DENOMINATION													
		Adventists	Anglicans	Apostolic bodies	Baptists	Brethren including United	Christadelphians	Christians	Christian Missionary Alliance	Christian Scientists	Churches of Christ (Disciples)	Church of God	Doukhobors	Eastern Orthodox Churches	Evangelicals
Adventists.....	19	9	3		1										
Anglicans.....	7,506		3815	1	339	4	1	4	3	17	4	1		17	17
Apostolic bodies.....	8			4											
Baptists.....	2,044	2	341		794	3	1	1		2	3			8	5
Brethren including United.....	78		4			3	5								
Christadelphians.....	6		1				3								
Christians.....	34		3		1			18							
Christian Missionary Alliance.....	13				5				6						
Christian Scientists.....	75		13		3				21						1
Churches of Christ (Disciples).....	45		3			1		1		14				1	1
Church of God.....	9				3						3				
Doukhobors.....	1														
Eastern Orthodox Churches.....	296				2					1			173		
Evangelicals.....	144		22		2		1		1					2	44
Gospel bodies.....	57		9		10				1						1
Greek Catholic Churches.....	280		15		1									9	
Holiness Movement.....	20		6												
International Bible Students.....	5														
Jewish.....	771		9		3					1	1				
Lutherans.....	941	1	135		39				1					4	23
Mennonites.....	185		5		6	1								1	5
Methodists.....	269		58		17				1						3
Moravian Church.....	1														
Mormons.....	78		11		5				1						
Non-denominational.....	186		18		2				1					3	
Oriental religions.....	4														
Pentecostal Assemblies.....	203		15		7				1					1	1
Plymouth Brethren.....	19		3		2				1						
Presbyterians.....	3,669	1	752		192	4	1	1	3	8	5			13	9
Reformed Churches (Christian).....	6		1		1										
Roman Catholics.....	8,421	4	612		124	2	1	2	1	2	4			30	6
Salvation Army.....	154		18		7				1					1	
Society of Friends.....	10		3		1										
Spiritualists.....	2														
Swedenborgians.....	7		1												
Unitarians.....	1														
United Church of Canada.....	10,450	4	1631		2	456	15	1	7	2	25	10		17	34
Other religions.....	35		6		2										
Non-religious denominations.....	19		3												
Unspecified or unknown.....	38		8		2										
<b>Total Brides.....</b>	<b>36,109</b>	<b>21</b>	<b>7532</b>	<b>7</b>	<b>2036</b>	<b>84</b>	<b>9</b>	<b>34</b>	<b>17</b>	<b>82</b>	<b>42</b>	<b>4</b>	<b>281</b>	<b>149</b>	

Contracting Parties, for the Province of Ontario, 1943

OF BRIDE

Gospel bodies	Greek Catholic Churches	Holiness Movement	International Bible Students	Jewish	Lutherans	Mennonites	Methodists	Moravian Church	Mormons	Non-denominational	Oriental religions	Pentecostal Assemblies	Plymouth Brethren	Presbyterians	Reformed Churches (Christian)	Roman Catholics	Salvation Army	Society of Friends	Spiritualists	Swedenborgians	Unitarians	United Church of Canada	Other religions	Non-religious denominations	Unspecified or unknown	
3	14	5		7	80	10	30	1	11	15		21		661		3										
1	4	1		1	30	6	25		4	5	1	17	1	169		628	24	1		1		1763	6	1	1	
					2	1								4		3	12	1	1	1		464	1		2	
					2									3								8				
					2		1					1		1								8				
					3							1		10								19			1	
					3		2							3								13				
										1			1	12		41				1		24			1	
	11			2	2	1						1	1	12								24				
					19	2	1					2		12		15	1					24				
26				1	4					1				1		4	1					7				
1	171	7		1	4									5		65						8				
														2		1						3				
														2								1				
	1	4	2	1	404	3	10		2	2		6		52		109	3			2		136			2	
					5	131	1					2		6		6						14				
					4	3	76		1			8		29		23	1		1			42				
									15					10								27				
					2					109				12		8						22				
					2	1	1			1	2			7		15						2				
												147				2	1					16				
													12													
	3	7	1		4	51	3	23	5	5		7	1	1359	2	307	6	2				894	1	1		
														1		1						1				
	1	52	1		8	86		17	5	10		5	1	266		6613	6					554	5		3	
										1				4		1	89					24				
														2								3				
														1								2				
	8	12	4		3	118	7	29	20	17		25	5	753		672	29	1		2		6533	7		1	
														4		2						19				
					1									2		6						3		7		
																8						5			11	
45	278	23	7	753	821	169	216	1	63	168	3	247	22	3394	2	8695	174	5	5	8	10660	20	9	23		

Table 20—Marriages—Birthplaces of

Birthplace of Bridegroom	Total Bridegrooms	BIRTHPLACE													
		Canada									British Isles				
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Province unspecified	England	Ireland	Scotland	Wales
Canada	33,669	22	127	113	434	30467	319	546	147	61	469	79	221	25	2
Prince Edward Island	16	6	1												
Nova Scotia	121	23	14	5	68	5	4	2			5		1	1	
New Brunswick	95	1	14	8	62	6	13	6	1		2		3	1	
Quebec	428	2	3	8	285	6	13	6	1		2		1		
Ontario	31,833	10	91	85	303	29371	214	353	98	34	436	70	196	23	2
Manitoba	411	2	4	3	9	269	54	27	1		6	2	5		
Saskatchewan	485	1	3	2	18	247	24	129	15	5	6	3	9		
Alberta	174	1	4	5	6	92	8	17	21	2	2	1	4		
British Columbia	105			1	2	64	5	3	2	17	4		2		
Province unspecified	1														
British Isles	1,235	3	9	5	16	806	24	29	7	5	181	21	72	2	3
England	801	1	6	3	12	511	13	21	3	2	144	11	38	1	2
Ireland	117				1	73	3	3	1	1	14	8	6		
Scotland	280	2	3	2	2	194	7	5	3	2	20	2	26	1	
Wales	34				1	26	1				3		2		
Other	3				2										1
British Possessions	54		2		1	32	1	1	1	2	4	1			
Newfoundland	27		1			14	1	1			3				
Other	27		1		1	18			1	2	1	1			
Europe	738	1	2	1	9	278	39	26	6	3	21	1	6	1	
Austria	28					10	3	1					1		
Belgium	22			1		11					1				
Czechoslovakia	26					4	1	2							
Denmark	14					8					2	1			
Finland	49					17		1			1				
France	4					3		1							
Germany	29				1	13					2				
Hungary	63				1	16	2	2			2				
Italy	66					42	1	3	1		1		2		
Netherlands	19					10	2	1		1	1				
Norway	29				1	17	2	2			4				
Poland	137				2	50	9	5	3		1				
Roumania	36					18	3	1			2		1		
Russia (U.S.S.R.)	101				2	27	4	3	1	1	1			1	
Sweden	14	1			2	5	2	1	1		1		1		
Yugoslavia	32		1			5	2	1					1		
Other	69		1			22	8	2		1	2				
Asia	24				2	9	1	3		3	1				
China	17				1	9	1	2		2					
Japan															
Other	7				1			1		1	1				
United States	368		3	6	8	232	16	9	6	3	13	2	5		1
Other American countries	5				1	3									
Other countries	3					3									
Unspecified	13					3					1				
Total brides	36,109	26	143	125	471	31833	400	614	167	77	690	104	304	28	6

Bridegrooms and Brides, 1943

OF BRIDE

British Possessions		Europe																	Asia			United States	Other American countries	Other countries	Unspecified
Newfoundland	Other	Austria	Belgium	Czechoslovakia	Denmark	Finland	France	Germany	Hungary	Italy	Netherlands	Norway	Poland	Romania	Russia (U.S.S.R.)	Sweden	Yugoslavia	Other	China	Japan	Other	United States	Other American countries	Other countries	Unspecified
37	9	6	14	18	1	15	2	9	22	20	9	2	82	11	36	4	10	18	...	1	1	308	...	...	2
1	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	1	...	...	...	5	...	...	...
1	...	...	...	1	...	...	...	1	1	...	...	...	1	...	1	1	1	...	...	...	...	11	...	...	...
33	9	6	13	14	1	14	2	8	19	19	7	1	65	11	29	3	9	14	...	...	...	268	...	...	2
2	...	...	1	1	...	1	...	1	1	...	...	1	9	...	1	...	2	...	...	...	1	11	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	1	...	...	...	9	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	1	4	...	...	...
4	...	1	...	2	...	1	1	1	1	...	2	1	1	...	2	1	...	...	...	...	...	34	...	...	...
4	...	1	...	2	...	1	1	1	1	...	1	1	...	1	2	...	...	...	...	...	...	19	...	...	...
...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	5	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	9	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
7	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	9	8	22	1	26	...	4	31	13	2	2	73	14	58	1	20	30	...	...	...	26	...	...	...
...	...	5	8	...	...	...	...	...	...	...	...	...	2	2	3	...	1	1	...	...	...	...	...	...	...
...	...	1	8	...	...	...	...	1	...	...	...	...	2	...	...	...	...	1	...	...	...	1	...	...	...
...	...	...	14	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	1	...	26	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...
...	...	...	...	...	...	...	...	2	1	...	...	...	1	...	4	...	2	...	...	...	...	2	...	...	...
1	...	1	...	1	...	...	...	...	27	...	...	...	...	2	1	...	4	1	...	...	...	2	...	...	...
1	...	...	...	1	...	...	...	...	...	12	...	...	...	...	...	1	...	4	1	...	...	2	...	...	...
...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	50	2	8	...	...	...	...	...	...	1	...	...	...
...	...	...	...	...	...	...	...	1	...	...	...	...	1	6	2	...	...	...	...	...	...	1	...	...	...
...	...	2	...	1	...	...	...	...	1	1	...	...	12	1	40	...	...	1	...	...	...	1	...	...	...
...	...	...	2	...	...	...	...	1	1	...	...	...	1	1	...	...	13	...	...	...	...	3	...	...	...
...	...	...	...	2	...	...	...	...	...	...	...	...	3	1	...	...	...	26	...	...	...	4	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	1	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	1	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
3	1	...	1	4	...	2	...	...	1	...	1	...	3	1	2	...	...	1	1	1	...	42	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	8
53	11	16	23	46	2	44	4	14	55	33	14	5	158	27	98	6	30	49	3	2	3	412	1	...	10

Table 21—Deaths of Children under One Year (exclusive of Stillbirths) in the Province of Ontario, by Months, Classified as Rural and Urban, 1943

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Ontario.....	3,390	338	295	305	277	266	270	299	236	261	243	250	350
Rural.....	745	82	78	71	64	55	55	49	42	54	48	50	97
Urban.....	2,645	256	217	234	213	211	215	250	194	207	195	200	253
Addington.....	6				1			1		1	1		2
Rural.....	6				1			1		1	1		2
Algonia.....	11	11	4	2	2	4	4	4	5	5	5	2	9
Rural.....	11	4	4	1	1	4	4	1	5	1	1	1	1
Urban.....	46	7	4	1	1	4	4	3	5	4	4	1	8
Sault Ste. Marie, c.....	37	4	4	1	1	3	3	2	5	4	4		6
Blind River, t.....	7	3				1	1						2
Thessalon, t.....	2											1	
Brant.....	51	7	3	6	6	2	4	2	2	4	2	9	4
Rural.....	12	3	1	2			1		1	1		2	1
Urban.....	39	4	2	4	6	2	3	2	1	3	2	7	3
Brantford, c.....	34	2	2	4	6	1	3	2	1	2	2	6	3
Paris, t.....	5	2				1				1		1	
Bruce.....	31	4	2	3	1	1	3	5	1	1	2	5	3
Rural.....	14	1	1		1	1	2	2	1		1	3	1
Urban.....	17	3	1	3			1	3		1	1	2	2
Chesley, t.....													
Kincairdine, t.....	2			1									1
Southampton, t.....	2	1						1					
Walkerton, t.....	8	1	1	2				2		1	1		
Warton, t.....	4	1					1					2	
Port Elgin, vl.....	1												1
Carleton.....	217	27	18	17	27	13	14	13	12	22	20	15	19
Rural.....	13	4		1		1	1				5	1	
Urban.....	204	23	18	16	27	12	13	13	12	22	15	14	19
Ottawa, c.....	203	23	18	16	26	12	13	13	12	22	15	14	19
Eastview, t.....	1				1								
Rockcliffe Park, vl.....													
Cochrane.....	109	16	11	11	8	6	9	10	6	4	6	7	15
Rural.....	48	5	5	5	5	1	5	5	2	1	4	2	8
Urban.....	61	11	6	6	3	5	4	5	4	3	2	5	7
Cochrane, t.....	8	1	1			1				1	1	1	2
Iroquois Falls, t.....	4				1		1		1				
Kapusking, t.....	4				1		1		1	1			
Timmins, t.....	45	10	5	6	2	3	2	4	2	1	1	4	5
Dufferin.....	5					1			3			1	
Rural.....						1						1	
Urban.....	5								3				
Orangeville, t.....	1					1							
Shelburne, vl.....	4								3			1	
Dundas.....	12	1		2	1			1	2		1	1	3
Rural.....	6	1		1					1		1	1	1
Urban.....	6			1	1			1	1				2
Chesterville, vl.....	1			1	1								1
Morrisburg, vl.....	3							1	1				1
Winchester, vl.....	2												
Durham.....	20	1		3	3	3		2	2	2	3		1
Rural.....	5				1	2					1		
Urban.....	15	1		3	2	1		1	2	2	2		1
Bowmanville, t.....	8			3	2	1			1	1	1		1
Port Hope, t.....	7	1						1	1	1	2		1
Elgin.....	34		6	1	4	4	2	6	3	1	1	4	2
Rural.....	5		2		1	1	1						
Urban.....	29		4	1	3	3	1	6	3	1	1	4	2
St. Thomas, c.....	28		4	1	3	3	1	6	3	1	1	4	1
Aylmer, t.....	1												1
Port Stanley, vl.....													
Essex.....	190	19	17	16	11	24	14	20	17	11	16	10	15
Rural.....	16	2	3	1			1			1	2	3	3
Urban.....	174	17	14	15	11	24	13	20	17	10	14	7	12
Amherstburg, t.....	159	17	13	13	11	22	12	17	16	9	12	6	11
Essex, t.....	1											1	
Harrow, t.....	2								1	1			
Kingsville, t.....	2						1				1		
Leamington, t.....	9			2		2		3			1		1
Riverside, t.....	1		1										
Tecumseh, t.....													
Frontenac.....	66	7	6	4	6	8	3	9	2	7	2	4	8
Rural.....	10	1			1	1		1	1	2		1	2
Urban.....	56	6	6	3	6	7	3	8	1	5	2	3	6
Kingston, c.....	55	5	6	3	6	7	3	8	1	5	2	3	6
Portsmouth, vl.....	1	1											
Glengarry.....	13	2	2	1	1					2			4
Rural.....	12	2	2	1	1				1				4
Urban.....	1									1			
Alexandria, t.....	1									1			









Table 21—Deaths of Children under One Year (exclusive of Stillbirths) in the Province of Ontario, by Months, Classified as Rural and Urban, 1913

	Total	MONTHS											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Welland.....	72	11	5	8	4	5	4	3	5	7	5	7	8
Rural.....	12	3		1	1		1	1	2	2		2	1
Urban.....	60	8	5	7	3	5	3	2	5	5	5	5	7
Niagara Falls, c.....	17	3	1	1	1				1		3	1	4
Welland, c.....	27	2	3	4	1	3	2		4	3	1	3	1
Fort Erie, t.....	5	1				2							
Port Colborne, t.....	8	1	1	1	1					2	1	1	2
Thorold, t.....	2	1					1						
Chippawa, vl.....													
Fonthill, vl.....													
Humberstone, vl.....	1			1									
Wellington.....	37	5	5	7	2		8	2	1		3	2	2
Rural.....	10	1		2			4				2	1	
Urban.....	27	4	5	5	2		4	2	1		1	1	2
Guelph, c.....	18	3	2	4	2		2	2	1			1	1
Harriston, t.....	2	1											1
Mount Forest, t.....	3		1				1				1		
Palmerston, t.....	1		1										
Elora, vl.....													
Fergus, vl.....	3		1	1			1						
Wentworth.....	171	15	20	13	13	16	15	13	11	14	14	13	14
Rural.....	5	1	1	1		1							1
Urban.....	166	14	19	12	13	15	15	13	11	14	14	13	13
Hamilton, c.....	163	14	19	12	13	15	15	13	11	13	13	13	12
Dundas, t.....	3									1	1		1
Stoney Creek, vl.....													
York.....	660	61	50	70	63	45	49	62	48	53	51	47	61
Rural.....	79	9	7	11	9	5	6	4	5	5	6	3	9
Urban.....	581	52	43	59	54	40	43	58	43	48	45	44	52
Toronto, c.....	565	49	42	59	52	39	42	58	41	46	45	44	48
Aurora, t.....													
Leaside, t.....	1				1								
Mimico, t.....	1								1				
Newmarket, t.....	3	2											1
New Toronto, t.....	2				1		1						
Weston, t.....	3								1				2
Forest Hill, vl.....													
Long Branch, vl.....	2		1			1							
Markham, vl.....													
Richmond Hill, vl.....	2									2			
Stouffville, vl.....	1												1
Sutton, vl.....													
Swansea, vl.....	1	1											
Woodbridge, vl.....													
District of Patricia.....	6		1		1	1	1						2

**Table 22—Total Deaths (exclusive of Stillbirths) and Deaths in Institutions of Children Under One Year of Age, Showing the Number Non-Resident in the Province of Ontario, 1943**

	All Deaths under One Year						In Institutions					
	Total			Non-resident in Province			Total			Non-resident in Province		
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
Total for the Province. . . .	3,390	1,935	1,455	21	7	14	2,191	1,257	934	21	7	14



**Children under One Year of Age, Classified according to Residence of Decedents in of 5,000 Population and Over, 1943**

Year 1941

IN INSTITUTIONS									DEATHS ELSEWHERE THAN IN INSTITUTIONS														
Residents			Non-resident in City, Town or Village Where Death Occurred and						Total			Residents			Non-resident in City, Town or Village Where Death Occurred and								
			Resident in Province			Non-resident in Province									Resident in Province			Non-resident in Province					
Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.			
17	11	6	39	20	19				3	2	1	2	2					1		1			
23	17	6	6	4	2				5	3	2	5	3	2									
20	11	9	27	18	9						2	2		2									
15	8	7	2	2	2				2		2	2		2									
4	1	3	4	3	1				2	1	1	2	1	1									
7	2	5	6	3	3				5	1	4	5	1	4									
*102	50	52	31	16	15				30	16	14	30	16	14									
26	20	6	16	7	9				13	9	4	11	8	3				2	1	1			
15	10	5	18	5	13				4	3	1	4	3	1									
56	36	20	27	20	7	2	1	1	4	4	1	4	3	3				1	1				
6	6		7	6	1				4	3	1	4	3	1									
12	8	4	7	4	3				9	3	6	6	2	4				3	1	2			
10	4	6	12	5	7				3	2	1	3	2	1									
120	68	52	38	21	17	11	4	7	34	17	17	31	15	16				3	2	1			
13	6	7	7	3	4				6	4	2	5	3	2				1	1				
23	16	7	10	4	6				1	1	1	1	1	1									
16	7	9	6	2	4																		
17	11	6	19	8	11				3	3		3	3										
14	9	5	12	9	3				2	2		2	2										
18	13	5	6	4	2				4	2	2	4	2	2									
19	9	10	8	6	2				10	8	2	9	7	2				1	1				
10	5	5	5	3	2				3	2	1	3	2	1									
58	37	21	29	21	8				33	14	19	32	14	18						1			
386	215	171	105	63	42	1	1		73	39	34	71	39	32				2		2			
12	7	5	10	6	4				5	4	1	5	4	1									
98	59	39	41	24	17	2		2	18	11	7	18	11	7						1			
6	5	1	3	1	2				3	2	1	2	2					1		1			
5	2	3	5	2	3				3	2	1	3	2	1									
2	1	1	3	3	3																		
14	11	3	9	6	3				3	1	2	2	1	1						1			
1		2	2	1	1																		
1	3	1	9	5	4				2	1	1	2	1	1									
5	3	2	5	5	4				2	1	1	4	1	4									
22	18	4	19	11	8				15	11	4	15	11	4									
4	3	1							1	1	1	1	1	1									
2	1	1							1	1	1	1	1	1									
2	4	3	5	3	2				4	1	3	3	1	2						1			
7	4	3	4	1	3				11	7	4	11	7	4									
5	3	4	2	2	1				1	1	1	1	1	1									
5	2	3	3	1	2				1	1	1	1	1	1									
1	1	2	2	1	1				1	1	1	1	1	1									
8	2	6	7	5	2				2	1	1	2	1	1									
5	4	1	8	4	4				4	1	3	4	1	3									
9	5	4	15	11	4	1	1		7	7	2	7	7	2									
									2	2	2	2	2	2									
5	2	3	2	1	1				8	5	3	8	5	3									
4	2	2	3	1	2				3	1	2	3	1	2									
4	4	6	8	4	4				2	1	1	2	1	1									
10	4	6	8	4	4				1	1	1	1	1	1									
5	4	1	2	2	2				1	1	1	1	1	1									
			1	1					1	1	1	1	1	1									
26	15	11	3	3		1		1	15	8	7	15	8	7									
									9	6	3	9	6	3									
									1	1	1	1	1	1									
			3	1	2																		
									2	1	1	2	1	1									
									2	2		2	2										
									1		1	1		1									

**Table 24—Deaths of Children under One Year (exclusive of Stillbirths), by Age at Death, in the Province of Ontario, 1943**

Ages		Total. 3,390
All infants.....	M.	1,935
	F.	1,455
Under 1 day.....	M.	597
	F.	436
1 day.....	M.	306
	F.	173
2 days.....	M.	133
	F.	155
3 days.....	M.	86
	F.	69
4 days.....	M.	113
	F.	58
5 days.....	M.	55
	F.	69
6 days.....	M.	48
	F.	21
Under 1 week.....	M.	56
	F.	30
1 week and under 2 weeks.....	M.	26
	F.	38
2 weeks and under 3 weeks.....	M.	18
	F.	20
3 weeks and under 1 month.....	M.	1770
	F.	1,010
Under 1 month.....	M.	760
	F.	180
1 month and under 2 months.....	M.	97
	F.	83
2 months and under 3 months.....	M.	129
	F.	75
3 months and under 4 months.....	M.	54
	F.	100
4 months and under 5 months.....	M.	60
	F.	40
5 months and under 6 months.....	M.	2,179
	F.	1,242
6 months and under 7 months.....	M.	937
	F.	242
7 months and under 8 months.....	M.	139
	F.	103
8 months and under 9 months.....	M.	215
	F.	128
9 months and under 10 months.....	M.	87
	F.	163
10 months and under 11 months.....	M.	93
	F.	70
11 months and under 12 months.....	M.	115
	F.	67
Under 1 year.....	M.	48
	F.	105
Total.....	M.	51
	F.	54
Total.....	M.	82
	F.	46
Total.....	M.	36
	F.	92
Total.....	M.	52
	F.	40
Total.....	M.	77
	F.	44
Total.....	M.	33
	F.	46
Total.....	M.	25
	F.	21
Total.....	M.	33
	F.	22
Total.....	M.	11
	F.	41
Total.....	M.	26
	F.	15



**Table 25—Deaths of Children under One Year of Age (exclusive of Stillbirths) Classified According to Racial Origin of Decedents, in the Province of Ontario, 1943**

Racial Origins	Total
British.....	2,035
English.....	1,146
Irish.....	498
Scottish.....	364
Other.....	27
European.....	1,126
Austrian.....	7
Bulgarian.....	4
Czech and Slovak.....	20
Danish.....	1
Finnish.....	20
French.....	670
German.....	137
Greek.....	8
Hungarian.....	14
Icelandic.....	..
Italian.....	46
Lithuanian.....	..
Netherland, Flemish, Walloon.....	50
Norwegian.....	5
Polish.....	57
Roumanian.....	6
Russian (Races of U.S.S.R.).....	11
Swedish.....	13
Ukrainian*.....	51
Yugoslavic.....	6
Other.....	..
Asiatic.....	9
Chinese.....	5
Hindu (East Indian).....	1
Japanese.....	..
Syrian.....	3
Other.....	..
Indian.....	119
Jewish.....	32
Negro.....	9
Other races.....	1
Unspecified.....	59
All origins.....	3,390

\*Including all Ruthenian Russians.

Table 26—Deaths of Children under One Year of Age (exclusive of Province of

Birthplace of Father	Total Fathers	BIRTHPLACE														
		Canada										British Isles				
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Prov. unspecified	England	Ireland	Scotland	Wales	Other
Canada.....	2,713	2	12	12	173	2,135	48	51	15	4	64	63	11	33	1	....
Prince Edward Island.....	2	1														
Nova Scotia.....	13		4			2					1			1		
New Brunswick.....	16		1	3	2	9	1				1					
Quebec.....	205	1			97	94	2									1
Ontario.....	2,267		6	8	72	1,954	23	22	7	3	5	52	10	29		
Manitoba.....	48					22	17	5	1							
Saskatchewan.....	48	1			1	22	4	17				2				
Alberta.....	23					13		3	2	2						
British Columbia.....	12					6		1	2							
Province unspecified.....	79				1	12				56		6		3		
British Isles.....	243		4		5	144	6	3	2		8	38	6	17	3	....
England.....	156		4		4	96	4	2	2		2	30	2	4	2	....
Ireland.....	30					18	2	1			2	2	2	2		....
Scotland.....	51				1	26					2	6	2	11		....
Wales.....	5					3				1					1	....
Other.....	1					1										....
British Possessions.....	12				1	5						1	1			....
Newfoundland.....	6				1	3										....
Other.....	6					2						1	1			....
Europe.....	186				7	60	6	10	3		8	1				....
Austria.....	2															....
Belgium.....	4							1	1							....
Czechoslovakia.....	18				1	4	1									....
Denmark.....	1					1										....
Finland.....	16				1	6										....
France.....	1															....
Germany.....	1										1					....
Hungary.....	6				1	2		2								....
Italy.....	21				1	10										....
Netherlands.....	3				1	1										....
Norway.....	1					1										....
Poland.....	41				1	14	1	2			4					....
Roumania.....	8					2	1									....
Russia (U.S.S.R.).....	27					8	2	4			1					....
Sweden.....	8					2	1	2								....
Yugoslavia.....	7				1	2	1									....
Other.....	6					4										....
Asia.....	5					2			1						1	....
China.....	4					1			1						1	....
Japan.....																....
Other.....	1					1										....
United States.....	55				1	37		1	1		1	2		3		....
Other American countries.....																....
Other countries.....																....
Unspecified.....	176		2	1	11	126	4	1			7	1				....
Total Mothers.....	3,390	2	18	13	198	2,509	64	66	22	4	88	106	18	54	4	....





161. Other diseases peculiar to the first year of life.....	241	138	103	10	5	9	8	13	12	7	8	15	7	11	11	15	10	7	8	9	10	14	6	13	9	15	9	
166-168. Homicides.....	15	9	6	1	.....	.....	4	1	.....	4	1	.....	1	2	3	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
169-195-197. Other violent deaths.....	95	49	46	6	7	7	2	2	5	6	9	3	1	3	4	2	2	.....	2	3	5	4	6	6	1	7	2	
Other specified causes.....	52	33	19	3	6	5	3	3	.....	1	2	.....	1	3	1	4	.....	3	2	2	.....	1	1	2	1	6	2	
199-200. Ill-defined and unknown causes of death.....	20	12	8	2	.....	2	1	3	3	2	.....	1	.....	1	.....	.....	.....	.....	1	1	1	.....	.....	.....	1	.....	1	

Table 23—Deaths of Children (exclusive of Stillbirths) from Certain Specified

CAUSES OF DEATH	Total	Total under 1 year		Under 1 day		1 day & under 1 week		1 week & under 2 weeks		2 weeks & under 3 weeks	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
ALL CAUSES. Total.....	3,390	1,935	1,455	597	436	413	324	97	83	75	54
6. Cerebrospinal meningitis.....	9	7	2							1	
8. Scarlet fever.....	1	1									
9. Whooping-cough.....	53	27	26								
10. Diphtheria.....	1	1									
13. Tuberculosis of the respiratory system.....	6	3	3								
14-22. Tuberculosis, other forms.....	8	2	6				1				
27. Dysentery.....	8	2	6							1	1
30. Syphilis.....	14	8	6			3				2	
33. Influenza.....	105	59	46				1	2	2	3	1
35. Measles.....	10	5	5	1							
64. Diseases of the thymus gland.....	42	27	15	4	2	3	2	3	1	1	1
81. Meningitis (non-meningococcal).....	14	6	8			1					
86. Convulsions.....	20	11	9	1		3	1		1		
89. Diseases of the ear and of the mastoid process.....	10	5	5								
105. Diseases of the larynx.....	5	4	1			1					
106. Bronchitis.....	21	15	6							1	
107. Bronchopneumonia.....	267	163	104			5	3	4	2	7	5
108-109. Pneumonia.....	110	63	47	1		4	1	3	1	5	1
115. Diseases of the buccal cavity and annexe, and of the pharynx and tonsils.....	9	7	2					1			
116-118. Diseases of the stomach.....	4	1	3						1		
119. Diarrhoea and enteritis.....	184	118	66			1	2	7	5	7	5
130. Acute nephritis.....	6	5	1			1					
157. Congenital malformations.....	582	303	279	63	68	63	60	26	23	20	11
(A) Congenital hydrocephalus.....	121	54	67	11	16	8	9	2	7	4	3
(B) Congenital malformations of the heart.....	170	109	61	25	13	25	19	7	4	4	1
(C, E) Others under this title.....	291	140	151	27	39	30	32	17	12	12	7
158. Congenital debility.....	67	38	29	5	10	5	5	3		2	5
159. Premature birth.....	1,052	587	465	350	251	175	144	24	30	15	19
160. Injury at birth.....	359	226	133	124	66	83	58	6	2	2	
161. Other diseases peculiar to the first year of life.....	241	138	103	37	30	57	43	15	12	3	4
166-168. Homicides.....	15	9	6	8	5	1					
169-195-197. Other violent deaths.....	95	49	46	2	1	1			3	2	1
Other specified causes.....	52	33	19		1	2	1	1		3	
199-200. Ill-defined and unknown causes of death.....	20	12	8	1	2	4	2	2			

Causes in First Year of Life, by Sex and Age at Death, Ontario, 1943

AGE AT DEATH

3 weeks & under 1 month		1 month & under 2 months		2 months & under 3 months		3 months & under 4 months		4 months & under 5 months		5 months & under 6 months		6 months & under 7 months		7 months & under 8 months		8 months & under 9 months		9 months & under 10 months		10 months & under 11 months		11 months & under 12 months			
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
60	40	139	103	128	87	93	70	67	48	51	54	46	36	52	40	44	33	25	21	22	11	26	15		
...	...	...	...	1	1	...	...	...	...	...	...	2	...	1	...	1	...	1	1	...	...	...	...		
...	...	6	5	4	5	6	4	1	3	2	2	3	...	1	2	3	1	1	1	...	2	...	1		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	1	1	...	...	...	...	...	...		
...	...	...	...	...	...	1	...	1	1	...	1	...	...	...	2	...	...	...	...	1	...	...	...		
...	...	1	3	1	...	...	1	...	...	...	1	...	...	...	2	...	...	1	1	...	...	...	...		
2	5	7	8	2	4	8	6	7	6	2	2	7	4	7	2	3	4	1	3	1	1	4	2		
...	...	1	...	...	...	...	...	1	...	...	3	1	...	1	1	1	1	1	1	...	...	...	...		
4	1	3	3	3	1	3	2	1	1	...	1	1	1	1	1	3	1	1	1	...	...	3	...		
...	...	1	1	1	...	2	1	1	3	...	1	1	...	1	...	...	2	...	...	1	...	...	2		
...	...	...	...	...	...	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...		
...	...	...	...	...	...	1	...	3	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...		
7	3	15	13	21	10	15	6	9	3	10	6	4	2	6	4	5	5	3	1	3	...	5	1		
...	...	1	1	1	...	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...		
14	15	33	27	19	13	11	9	6	6	13	14	8	12	13	7	5	5	3	5	5	2	1	2		
...	...	3	6	7	5	1	3	1	...	2	5	3	3	4	3	2	2	1	1	2	...	1	1		
5	1	12	4	6	2	5	2	1	3	6	3	4	3	4	2	2	2	1	1	1	...	1	1		
6	11	18	17	6	6	5	4	4	3	5	6	1	6	5	2	1	1	1	3	2	2	...	2		
...	...	10	4	7	4	2	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...		
12	4	8	8	2	7	2	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...		
2	1	2	4	...	3	...	1	...	...	...	...	1	...	1	1	1	1	...	1	...	...	...	...		
4	1	8	3	...	2	4	1	3	1	3	3	1	...	1	1	2	1	...	...	...	...	...	1		
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
...	2	2	10	5	11	10	3	7	9	5	1	6	...	2	...	1	2	...	3	...	...	2	3		
1	...	4	2	5	1	6	2	1	3	...	1	...	1	3	3	1	2	3	1	1	...	2	1		
...	...	...	...	...	1	1	1	1	...	1	...	...	1	1	...	1	...	...	1	...	...	...	...		

Table 29—Total Deaths (exclusive of Stillbirths) and Deaths in Institutions, Showing the Number Non-Resident in the Province of Ontario, 1943

	All Deaths						In Institutions					
	Total			Non-resident in Province			Total			Non-resident in Province		
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
	Total for the Province . . . .	41,063	22,159	18,904	450	311	139	18,054	10,233	7,821	244	145

Table 30—Total Deaths (exclusive of Stillbirths) and Deaths in in Cities, Towns and Villages of (As at Census

Table with columns for Cities, Towns and Villages, ALL DEATHS (Total, Residents, Non-resident in City, Town or Village where Death Occurred and), and DEATHS (Total). Rows list locations like Belleville, Brantford, Chatham, etc., with corresponding death counts.



Institutions, Classified according to Residence of Decedents  
Ontario of 5,000 Population and Over, 1943

Year 1941)

IN INSTITUTIONS									DEATHS ELSEWHERE THAN IN INSTITUTIONS																	
Residents			Non-resident in City, Town or Village where Death Occurred and						Total			Residents			Non-resident in City, Town or Village where Death Occurred and											
			Resident in Province			Non-resident in Province									Resident in Province			Non-resident in Province								
Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.						
66	36	30	189	120	69	4	3	1	98	64	34	91	59	32	7	5	2									
207	122	85	53	28	25	1	1		175	85	90	171	81	90	4	4										
110	54	56	201	119	82	1	1		95	47	48	88	43	45	6	3	3	1	1							
135	88	47	52	32	20	3	3		73	41	32	69	38	31	4	3	1									
56	28	28	42	24	18				106	46	60	102	44	58	3	2	1	1			1					
90	36	54	68	36	32	1	1		125	53	72	115	48	67	10	5	5									
896	505	391	274	149	125	2	2		854	424	430	842	417	425	11	6	5	1	1							
187	108	79	193	119	74	6	4	2	173	77	96	160	70	90	13	7	6									
162	84	78	119	53	66	1	1		179	100	79	174	97	77	4	3	1	1			1					
561	271	290	409	250	159	7	3	4	397	198	199	379	190	189	18	8	10									
84	41	43	53	37	16	1	1		84	41	43	81	40	41	2	2		1	1							
50	26	24	39	25	14				74	36	38	61	30	31	13	6	7									
87	55	32	31	2	29				135	77	58	107	50	57	28	27	1									
973	509	464	257	153	104	73	36	37	750	343	407	726	331	395	14	8	6	10	4	6						
64	34	30	50	31	19	1	1		128	62	66	120	60	60	8	2	6									
140	78	62	108	62	46	1	1		166	82	84	162	81	81	4	1	3									
150	83	67	62	34	28	3	2	1	66	44	22	56	36	20	8	6	2	2								
114	60	54	91	52	39				193	96	97	181	88	93	12	8	4									
94	51	43	63	42	21				121	49	72	113	46	67	7	2	5	1	1							
109	70	39	53	28	25	1		1	121	60	61	112	55	57	8	5	3	1			1					
111	55	36	43	28	15				129	69	60	124	66	58	5	3	2									
94	44	50	55	35	20				129	58	71	121	54	67	8	4	4									
148	99	49	100	69	31				118	66	52	109	60	49	9	6	3									
3512	1997	1515	985	575	410	43	33	10	3787	1728	2059	3690	1681	2009	87	41	46	10	6	4						
44	24	20	75	48	27				49	29	20	48	28	20	1	1										
580	330	250	233	135	98	12	8	4	455	251	204	436	239	197	13	8	5	6	4	2						
73	37	36	47	32	15	1			88	39	49	86	39	47	2											
37	22	15	38	20	18	1		1	82	37	45	74	33	41	7	3	4	1	1							
22	15	7	34	21	13				42	23	19	39	22	17	3	1	2									
97	56	41	79	48	31	1	1		53	26	27	47	22	25	4	3	1	2	1	1						
23	14	9	29	12	17	1	1		49	26	23	44	23	21	4	3	1	1			1					
34	23	11	36	23	13	1	1		54	28	26	45	27	18	9	1	8									
118	72	46	75	42	33	9	4	5	94	57	37	88	53	35	4	2	2	2			2					
14	4	10	1		1				48	15	33	48	15	33												
31	20	11	12	7	5	2	2		22	7	15	22	7	15												
22	14	8	19	11	8	1		1	30	12	18	29	11	18	1	1										
17	11	6	10	7	3	9	1	8	23	12	11	19	11	8	4	1	3									
22	11	11	14	12	2				61	33	28	61	33	28												
36	20	16	16	8	8	1	1		49	23	26	46	22	24	3	1	2			2	2					
10	5	5	15	8	7				11	8	3	9	6	3												
50	31	19	55	35	20				44	24	20	39	21	18	5	3	2									
24	12	12	33	18	15				34	16	18	28	13	15	6	3	1									
5	4	1	100	47	53	2	2		59	31	28	54	30	24	4	1	3	1			1					
58	30	28	46	25	21				62	33	29	56	28	28	5	5	1				1					
17	9	8	42	25	17	7		1	38	15	23	35	14	21	3	1	2									
50	25	25	73	44	29	1	3	4	29	15	14	26	13	13	3	2	1									
22	14	8	13	7	6				67	25	42	63	24	39	4	1	3									
18	9	5	26	12	14				32	19	13	29	16	13	2	2	2			1	1					
26	11	15	49	27	22	1	1		57	29	28	49	25	24	6	3	3	2	1	1	1					
37	21	16	16	8	8				43	29	14	45	20	17	3	2	1									
4	2	2	13	6	7				37	22	15	35	21	14	2	1	1									
63	33	30	23	17	6	1		1	37	9	18	24	9	15	3	3	3									
1	1		3	1	2				35	19	16	30	14	16	5	5										
25	13	12	136	56	80	2	1	1	48	21	27	48	21	27	2	1	1									
									45	23	22	43	22	21	2	1	1									
									29	15	14	28	14	14	1	1										
									68	37	31	66	35	31	2	2										
									64	37	27	57	35	22	7	2	5									
									48	23	25	46	23	23	2	2										
									46	19	27	43	18	25	3	1	2									
									37	15	22	37	15	22												
									50	17	33	49	17	32	1		1									
									29	19	10	25	15	10	4	4										
									32	11	21	30	10	20	2	1	1									

Table 31—Deaths (exclusive of Stillbirths) by Single Years of Age and by Age Groups in the Province of Ontario, 1943

AGES	TOTAL FOR PROVINCE			AGES	TOTAL FOR PROVINCE		
	Total	Male	Female		Total	Male	Female
All ages.....	41,063	22,159	18,904	50 years.....	345	198	147
Under 1 year.....	3,390	1,935	1,455	51 ".....	311	178	133
1 year.....	238	136	102	52 ".....	421	259	162
2 years.....	170	93	77	53 ".....	431	257	174
3 ".....	114	61	53	54 ".....	448	244	204
4 ".....	83	58	25	Total 50-54 years.....	1,956	1,136	820
Total under 5 years.....	3,995	2,283	1,712	55 years.....	497	293	204
5 years.....	75	50	25	56 ".....	500	305	195
6 ".....	61	38	23	57 ".....	535	321	214
7 ".....	56	34	22	58 ".....	611	368	243
8 ".....	57	34	23	59 ".....	602	354	248
9 ".....	45	22	23	Total 55-59 years.....	2,745	1,641	1,104
Total 5-9 years.....	294	178	116	60 years.....	648	368	280
10 years.....	50	32	18	61 ".....	593	338	255
11 ".....	57	33	24	62 ".....	705	409	296
12 ".....	56	29	27	63 ".....	804	468	336
13 ".....	61	36	25	64 ".....	714	426	288
14 ".....	64	37	27	Total 60-64 years.....	3,464	2,009	1,455
Total 10-14 years.....	288	167	121	65 years.....	866	513	353
15 years.....	82	60	22	66 ".....	776	439	337
16 ".....	87	54	33	67 ".....	834	455	379
17 ".....	81	53	28	68 ".....	879	488	391
18 ".....	114	80	34	69 ".....	951	521	430
19 ".....	102	75	27	Total 65-69 years.....	4,306	2,416	1,890
Total 15-19 years.....	466	322	144	70 years.....	945	506	439
20 years.....	125	70	55	71 ".....	802	442	360
21 ".....	135	86	49	72 ".....	990	514	476
22 ".....	122	74	48	73 ".....	1,060	587	473
23 ".....	111	64	47	74 ".....	1,030	553	477
24 ".....	102	56	46	Total 70-74 years.....	4,827	2,602	2,225
Total 20-24 years.....	595	350	245	75 years.....	1,007	513	494
25 years.....	103	47	56	76 ".....	1,099	569	530
26 ".....	108	54	54	77 ".....	1,006	480	526
27 ".....	121	71	50	78 ".....	1,032	520	512
28 ".....	121	70	51	79 ".....	981	494	487
29 ".....	123	65	58	Total 75-79 years.....	5,125	2,576	2,549
Total 25-29 years.....	576	307	269	80 years.....	1,027	493	534
30 years.....	119	67	52	81 ".....	844	418	426
31 ".....	130	67	63	82 ".....	926	437	489
32 ".....	118	55	63	83 ".....	944	441	503
33 ".....	140	83	57	84 ".....	745	341	404
34 ".....	129	61	68	Total 80-84 years.....	4,486	2,130	2,356
Total 30-34 years.....	636	333	303	85 years.....	692	327	365
35 years.....	169	93	76	86 ".....	648	283	365
36 ".....	139	77	62	87 ".....	535	248	287
37 ".....	155	85	70	88 ".....	470	240	230
38 ".....	182	103	79	89 ".....	392	185	207
39 ".....	183	98	85	Total 85-89 years.....	2,737	1,283	1,454
Total 35-39 years.....	828	456	372	90 years.....	285	143	142
40 years.....	166	93	73	91 ".....	212	94	118
41 ".....	185	104	81	92 ".....	168	78	90
42 ".....	259	147	112	93 ".....	149	59	90
43 ".....	248	143	105	94 ".....	121	49	72
44 ".....	192	96	96	Total 90-94 years.....	935	423	512
Total 40-44 years.....	10,50	583	467	95 years.....	74	27	47
45 years.....	234	131	103	96 ".....	58	27	31
46 ".....	266	159	107	97 ".....	29	10	19
47 ".....	295	155	140	98 ".....	35	10	25
48 ".....	308	179	129	99 ".....	16	6	10
49 ".....	355	206	149	Total 95-99 years.....	212	80	132
Total 45-49 years.....	1,458	830	628	100 years and over.....	27	9	18
				Not stated.....	57	45	12

Table 32—Deaths (exclusive of Stillbirths) Classified according to Racial Origin of Decedents in the Province of Ontario, 1943

RACIAL ORIGIN	Total	Male	Female
British .....	31,261	16,468	14,793
English .....	15,545	8,322	7,223
Irish .....	8,603	4,466	4,137
Scottish .....	6,751	3,468	3,283
Other .....	362	212	150
European .....	7,877	4,546	3,331
Austrian .....	76	55	21
Bulgarian .....	15	9	6
Czech and Slovak .....	86	53	33
Danish .....	39	28	11
Finnish .....	215	140	75
French .....	3,397	1,908	1,489
German .....	1,663	881	782
Greek .....	52	39	13
Hungarian .....	107	68	39
Icelandic .....	3	3	...
Italian .....	361	215	146
Lithuanian .....	14	8	6
Netherland, Flemish, Walloon .....	770	420	350
Norwegian .....	52	32	20
Polish .....	376	244	132
Roumanian .....	76	55	21
Russian (Races of U.S.S.R.) .....	128	102	26
Swedish .....	98	65	33
Ukrainian* .....	261	156	105
Yugoslavic .....	71	58	13
Other .....	17	7	10
Asiatic .....	169	145	24
Chinese .....	122	119	3
Hindu (East Indian) .....	3	2	1
Japanese .....	9	9	...
Syrian .....	32	14	18
Other .....	3	1	2
Indian .....	542	278	264
Jewish .....	505	286	219
Negro .....	124	73	51
Other races .....	3	3	...
Unspecified .....	582	360	222
All origins .....	41,063	22,159	18,904

\*Including all Ruthenian Russians.

**Table 33—Deaths (exclusive of Stillbirths) Classified according to Towns and Villages of 10,000 (As of Census**

Province, Cities, Towns and Villages	Total Deaths by Sex	BIRTHPLACE														
		Canada										British Isles				
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Prov. unspecified	England	Ireland	Scotland	Wales	Other
Total for the Province. Total	41,063	31	138	125	1,596	27,756	111	84	26	27	156	4,894	844	1,521	96	60
M.	22,159	23	72	67	871	14,597	66	51	15	23	75	2,730	458	772	57	35
F.	18,904	8	66	58	725	13,159	45	33	11	4	81	2,164	386	749	39	25
Cities, Towns and Villages of 10,000 and over. Total	22,790	25	100	78	972	13,866	61	48	16	22	130	3,321	587	1,065	69	42
M.	12,119	18	47	37	513	7,128	33	21	8	18	62	1,835	319	544	39	23
F.	10,671	7	53	41	459	6,738	28	27	8	4	68	1,486	268	521	30	19
Belleville. Total	357	2	2	2	312	1	1	1	1	1	23	2	6			
M.	223	2	2	2	192	1	1	1	1	1	16	2	4			
F.	134				120						7		2			
Brantford. Total	436	1	3	292	1	1					75	8	22	2	1	
M.	236		2	158	1	1					48	1	10	1	1	
F.	200	1	1	134	1						27	7	12	1		
Brockville. Total	230	2	6	191							19	5	2			
M.	131	2	5	109							9	2	2			
F.	99		1	82							10	3				
Chatham. Total	407		3	338	1					1	24	3	8			
M.	221		1	185						1	11	2	5			
F.	186		2	153	1						13	1	3			
Cornwall. Total	296	1	2	37	234						5	2	2		1	
M.	175	1	1	21	139						4	1	1		1	
F.	121		1	16	95						1	1	1			
Forest Hill. Total	50		1	32						1	9		1			
M.	17		1	8							4					
F.	33			24						1	5		1			
Fort William. Total	263	2	3	1	9	111	9	3	1		33	7	9	1		
M.	164	1	2	1	5	61	6	2	1		20	5	6	1		
F.	99	1	1		4	50	3	1			13	2	3			
Galt. Total	204	1	2	2	129						40	10	9	1		
M.	98			1	63						18	4	5			
F.	106	1	2	1	66						22	6	4	1		
Guelph. Total	284	1	3	211				1			41	7	12	1	1	
M.	126	1	1	91				1			20	4	4		1	
F.	158		2	120							21	3	8	1		
Hamilton. Total	2,026	2	5	5	24	1,140	4	8	2	3	401	46	155	9	7	
M.	1,080	2	2	4	12	558	2	4	2	2	236	23	93	4	4	
F.	946	3	3	1	12	582	2	4	2	1	165	23	62	5	3	
Kingston. Total	559	2	7	451	2	1					41	16	14	1		
M.	308	2	4	244	2	1					23	7	11			
F.	251		3	207	2						18	9	3	1		
Kitchener. Total	461	1	1	350	1	1					27	2	4	1		
M.	238		1	181	1	1					13	1	2	1		
F.	223	1	1	169		1					14	1	2			

**Birthplace of Decedents for the Province of Ontario and for Cities,  
Population and Over, 1943  
Year 1941)**

OF DECEDENTS

Newfoundland	British Possessions	Europe																	Asia			United States	Other Amer. countries	Other countries	Unspecified
		Other	Austria	Belgium	Czechoslovakia	Denmark	Finland	France	Germany	Hungary	Italy	Netherlands	Norway	Poland	Roumania	Russia (U.S.S.R.)	Sweden	Yugoslavia	Other	China	Japan				
77	103	101	33	52	26	180	27	219	90	240	25	31	459	78	378	60	71	91	108	4	27	888	4	4	222
38	65	73	22	34	21	122	19	123	57	141	19	20	278	58	250	42	57	67	106	4	13	436	3	3	176
39	38	28	11	18	5	58	8	96	33	99	6	11	181	20	128	18	14	24	2	...	14	452	1	1	46
51	66	69	16	43	17	101	15	111	56	180	14	19	368	66	302	22	38	70	87	1	20	525	3	4	124
28	41	48	10	27	15	67	10	59	33	102	11	12	219	50	192	15	30	49	86	1	9	258	3	3	96
23	25	21	6	16	2	34	5	52	23	78	3	7	149	16	110	7	8	21	1	...	11	267	...	1	28
...	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	2	...	...	1
...	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	1	...	...	1
...	3	...	...	...	1	...	...	...	1	3	...	...	6	1	3	...	...	...	...	1	10	...	...	1	
...	1	2	...	...	1	...	...	...	1	2	...	...	3	1	2	...	...	...	1	4	6	...	...	1	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	10	...	...	1	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	1	...	...	1
...	...	...	6	2	1	...	...	...	2	2	...	...	1	...	...	...	...	...	...	...	15	...	...	...	
...	...	...	4	2	1	...	...	2	...	1	...	...	1	...	...	...	...	...	...	...	7	8	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	10	...	...	1	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	4	6	...	1	
...	...	2	...	...	...	...	...	...	1	1	...	...	1	...	1	...	...	...	...	...	1	...	...	...	
...	...	2	...	...	...	...	...	...	1	1	...	...	1	...	1	...	...	...	...	...	1	...	...	...	
1	...	7	1	8	1	5	...	...	7	...	...	...	13	1	13	6	...	1	1	...	1	6	...	1	1
1	...	5	...	4	1	4	...	...	6	...	...	...	12	1	10	3	...	1	...	...	3	...	1	1	
...	...	2	1	4	...	1	...	...	1	...	...	...	1	...	3	3	...	1	...	1	3	...	...	...	
1	...	...	...	...	...	...	...	3	...	...	...	...	...	...	3	...	...	1	...	...	2	...	...	...	
1	...	...	...	...	...	...	...	1	2	...	...	...	...	...	3	...	...	1	...	...	1	...	...	...	
...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	4	...	...	...	
...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	3	...	...	
3	6	5	...	6	...	1	10	12	23	1	1	35	9	18	2	7	5	3	1	2	56	...	...	9	
1	3	3	...	4	...	...	5	6	13	1	...	21	8	14	1	6	4	3	1	1	31	...	...	8	
2	3	2	...	2	...	1	5	6	10	...	1	14	1	4	1	1	1	1	1	1	25	...	...	1	
2	...	...	...	...	1	...	3	...	1	...	...	4	1	1	...	...	1	1	...	...	8	...	...	1	
2	...	...	...	...	...	...	3	...	1	...	...	2	1	...	...	...	1	1	...	...	4	...	...	1	
...	...	...	...	...	1	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	4	...	...	...	
...	...	2	...	2	...	1	32	1	1	...	...	4	2	5	...	4	3	...	...	...	14	...	...	2	
...	...	...	1	...	...	...	17	1	1	...	...	3	2	4	...	1	2	...	...	...	7	...	...	1	
...	...	2	1	...	...	1	15	...	1	...	...	1	...	1	...	3	1	...	...	...	7	...	...	1	

Table 33—Deaths (exclusive of Stillbirths) Classified according to Towns and Villages of 10,000

(As of Census

Province, Cities, Towns and Villages	Total Deaths by Sex	BIRTHPLACE														
		Canada										British Isles				
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Prov. unspecified	England	Ireland	Scotland	Wales	Other
London..... Total	1,374	1	4	3	17	993	1	1	...	3	4	205	30	34	5	8
M.	722	1	2	1	5	526	1	1	...	1	1	116	15	15	3	4
F.	652	...	2	2	12	467	...	...	...	2	3	89	15	19	2	4
Niagara Falls..... Total	222	1	1	3	7	113	1	...	1	1	...	35	2	15	1	...
M.	120	1	...	2	6	66	1	...	1	1	...	16	1	3	...	...
F.	102	...	1	1	1	47	...	...	...	...	...	19	1	12	1	...
North Bay..... Total	163	...	2	2	16	109	...	...	...	...	...	10	2	6	...	...
M.	87	...	1	1	10	55	...	...	...	...	...	4	2	3	...	...
F.	76	...	1	1	6	54	...	...	...	...	...	6	...	3	...	...
Oshawa..... Total	253	1	...	...	5	156	...	1	...	...	...	43	12	8	...	...
M.	134	1	...	...	4	78	...	...	...	...	...	23	8	4	...	...
F.	119	...	...	...	1	78	...	1	...	...	...	20	4	4	...	...
Ottawa..... Total	2,053	1	15	13	476	1,187	2	1	2	2	6	136	30	40	1	1
M.	1,041	1	5	8	219	602	1	...	1	1	4	83	12	21	1	...
F.	1,012	...	10	5	257	585	1	1	1	1	2	53	18	19	...	1
Owen Sound..... Total	243	...	...	...	3	191	...	...	...	...	...	25	8	5	...	...
M.	127	...	...	...	...	99	...	...	...	...	...	14	6	2	...	...
F.	116	...	...	...	3	92	...	...	...	...	...	11	2	3	...	...
Pembroke..... Total	187	...	...	1	20	146	...	...	...	...	...	6	2	1	...	...
M.	101	...	...	...	8	79	...	...	...	...	...	5	2	1	...	...
F.	86	...	...	1	12	67	...	...	...	...	...	1	...	...	...	...
Peterborough..... Total	415	...	2	...	3	321	...	...	1	...	...	50	6	13	2	...
M.	223	...	...	...	2	176	...	...	...	...	...	26	2	4	...	...
F.	192	...	2	...	1	145	...	...	1	...	...	24	4	9	2	...
Port Arthur..... Total	281	1	2	3	17	101	4	2	3	...	1	26	7	15	1	2
M.	163	1	2	1	12	49	2	...	1	...	1	12	3	9	1	1
F.	118	...	...	2	5	52	2	2	2	...	...	14	4	6	...	1
St. Catharines..... Total	398	1	4	2	9	236	...	2	...	1	...	55	4	26	1	1
M.	208	...	1	1	5	127	...	...	...	1	...	24	3	13	1	...
F.	190	1	3	1	4	109	...	2	...	...	...	31	1	13	...	1
St. Thomas..... Total	278	1	1	1	1	196	...	1	...	...	...	47	8	8	2	2
M.	142	...	...	...	1	98	...	1	...	...	...	25	6	4	1	1
F.	136	1	1	1	...	98	...	...	...	...	...	22	2	4	1	1
Sarnia..... Total	284	...	1	...	8	221	2	1	...	...	...	27	3	4	...	...
M.	158	...	1	...	6	116	...	...	...	...	...	18	2	1	...	...
F.	126	...	...	...	2	105	2	1	...	...	...	9	1	3	...	...
Sault Ste. Marie..... Total	283	1	...	1	11	181	1	...	...	...	...	20	3	8	2	...
M.	152	1	...	1	8	95	...	...	...	...	...	11	2	3	2	...
F.	131	...	...	...	3	86	1	...	...	...	...	9	1	5	...	...
Stratford..... Total	278	...	...	...	...	209	...	...	...	1	...	50	1	10	...	...
M.	137	...	...	...	...	106	...	...	...	...	...	22	...	6	...	...
F.	141	...	...	...	...	103	...	...	...	1	...	28	1	4	...	...

**Birthplace of Decedents for the Province of Ontario and for Cities, Population and Over, 1943—Continued**

Year 1941)

OF DECEDENTS

Newfoundland	British Possessions	Europe																	Asia			United States	Other Amer. countries	Other countries	Unspecified
		Other	Austria	Belgium	Czechoslovakia	Denmark	Finland	France	Germany	Hungary	Italy	Netherlands	Norway	Poland	Roumania	Russia (U.S.S.R.)	Sweden	Yugoslavia	Other	China	Japan				
1	3							1	2	3	1		5	1	7		1		4		1	26			9
...	1	2						1	1	1	1		3	1	4		1		4		1	8			4
...	1	1						1	1	2			2		3							18			5
1	...	4		1				2	4	8			2	1	1		1		1			15			
...	1	2		1				1	1	3			2	1	1		1		1			8			
...	...	2						1		3			5									7			
...	...							1		5			2	1		1						4			2
...	...							1		3			1	1		1						3			1
...	...							2		2			1									1			1
...	...	5						1	2				3	1	7				1			7			
...	...	4						1	1	1			1		5				1			3			
...	...	1								1			2	1	2							4			
1	4	4	4	1	3		2	18		7	1	2	11	3	26	1	1	2	6		7	30		1	5
...	1	3	4	3	1	3		1	8	5	1	1	7	2	14	1	1	2	6		3	12		1	3
...	1	1	1					1	10	2			4	1	12						4	18			2
2	2			1	1								1									4			
...	1	2			1	1							1									4			
...	1							8		1			1												1
...	...							4		1			1												1
...	...							4					1												
1	...						1	1		2		1				1			1			9			
...	1						1	1		2		1							1			6			
...	...							1														3			
...	...							8		1			1												
...	1						1	1		2		1							1			9			6
...	1							1		2		1							1			6		1	2
...	1	1	1			11		2		14	1	1	4		5		3	1	1			6			2
...	1	1	1			7		2		6	1	1	2		1		2	1				2			1
...	...					4				8			2		4		1	1				4		1	1
...	...							5														2			
...	...							3																	
...	...							2														2			

**Table 33—Deaths (exclusive of Stillbirths) Classified according to Towns and Villages of 10,000**  
(As of Census

Province, Cities, Towns and Villages	Total Deaths by Sex	BIRTHPLACE														
		Canada									British Isles					
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Prov. unspecified	England	Ireland	Scotland	Wales	Other
Sudbury..... Total	366	1	1	2	54	220	5	1	1	...	1	13	3	8	1	...
M.	234	1	1	1	42	126	2	...	...	...	1	10	3	2	...	...
F.	132	...	...	1	12	94	3	1	1	...	...	3	...	6	1	...
Timmins..... Total	155	...	1	1	30	93	...	1	...	...	...	10	...	1	2	...
M.	87	...	...	...	19	52	...	...	...	...	...	5	...	...	1	...
F.	68	...	1	1	11	41	...	1	...	...	...	5	...	1	1	...
Toronto..... Total	8,327	11	36	32	141	4,338	19	17	4	11	112	1,646	336	549	27	15
M.	4,333	8	17	15	79	2,106	11	11	3	11	52	907	184	266	18	8
F.	3,994	3	19	17	62	2,232	8	6	1	...	60	739	152	283	9	7
Welland..... Total	168	...	1	2	7	94	...	2	...	...	...	24	...	5	1	...
M.	101	...	...	...	4	57	...	1	...	...	...	11	...	3	...	...
F.	67	...	1	2	3	37	...	1	...	...	...	13	...	2	1	...
Windsor..... Total	1,280	...	9	3	48	820	6	5	...	2	...	123	20	61	7	3
M.	724	...	5	...	29	452	5	...	...	1	...	65	15	38	4	2
F.	556	...	4	3	19	368	1	5	...	1	...	58	5	23	3	1
Woodstock..... Total	209	...	...	1	1	150	1	...	...	...	...	32	2	4	...	...
M.	108	...	...	...	1	74	1	...	...	...	...	16	1	3	...	...
F.	101	...	...	1	...	76	...	...	...	...	...	16	1	1	...	...



**Birthplace of Decedents for the Province of Ontario and for Cities,  
Population and Over, 1943**

Year 1941)

OF DECEDENTS		Europe																	Asia			United States	Other Amer. countries	Other countries	Unspecified
British Possessions																									
Newfoundland	Other	Austria	Belgium	Czechoslovakia	Denmark	Finland	France	Germany	Hungary	Italy	Netherlands	Norway	Poland	Roumania	Russia (U.S.S.R.)	Sweden	Yugoslavia	Other	China	Japan	Other	United States	Other Amer. countries	Other countries	Unspecified
...	...	5	...	1	1	15	...	...	...	2	...	...	8	3	4	1	...	1	2	...	...	5	...	...	7
...	...	4	...	1	1	9	...	...	...	2	...	...	7	3	3	1	...	1	2	...	...	4	...	...	7
...	...	1	...	...	...	6	...	...	...	...	...	1	1	...	1	...	...	...	...	...	1	...	...	...	...
...	...	...	...	...	...	1	...	...	...	7	...	1	2	...	1	...	...	2	1	...	...	1	...	...	...
...	...	...	...	...	...	1	...	...	...	6	...	1	...	...	1	...	...	2	1	...	...	1	...	...	...
...	...	...	...	...	...	1	...	...	...	1	...	...	2	...	...	...	2	...	...	...	1	...	...	...	...
36	44	25	1	13	5	18	4	17	11	66	6	8	221	22	169	6	11	47	57	...	4	173	2	1	66
19	27	18	1	10	4	9	3	11	7	35	4	4	122	16	106	4	10	33	56	...	2	82	2	1	51
17	17	7	...	3	1	9	1	6	4	31	2	4	99	6	63	2	1	14	1	...	2	91	...	...	15
...	...	2	...	...	...	...	...	...	9	2	...	...	2	4	4	...	1	2	...	...	...	5	...	...	1
...	...	2	...	...	...	...	...	...	6	2	...	...	2	3	3	...	1	1	...	...	...	4	...	...	1
...	...	...	...	...	...	...	...	...	3	...	...	...	...	1	1	...	...	1	...	...	...	1	...	...	...
1	1	3	4	3	...	1	5	5	8	12	...	...	28	9	15	3	4	...	2	...	2	64	1	...	2
1	1	1	2	2	...	...	5	2	3	8	...	...	17	5	10	2	3	...	2	...	1	40	1	...	2
...	...	2	2	1	...	1	...	3	5	4	...	...	11	4	5	1	1	...	...	...	1	24	...	...	...
...	...	...	...	1	1	...	...	2	...	1	...	...	2	...	1	...	1	...	...	...	...	7	...	...	2
...	...	...	...	...	1	...	...	2	...	1	...	...	2	...	1	...	1	...	...	...	...	3	...	...	2
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	4	...	...	...

Table 34—Deaths (exclusive of Stillbirths) Classified according to

Birthplace of Father	Total Fathers	BIRTHPLACE														
		Canada									British Isles					
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Prov. unspecified	England	Ireland	Scotland	Wales	Other
Canada.....	17,295	26	104	88	1,708	11,928	82	70	16	6	1,170	508	432	297	13	1
Prince Edward Island.....	30	15	3	2	3	3	1	1	1	1	2	1	1	1	1	5
Nova Scotia.....	160	3	75	3	8	35	2	2	1	1	4	3	5	5	5	5
New Brunswick.....	130	1	9	62	2	25	2	1	2	4	3	5	5	5	5	5
Quebec.....	2,077	3	2	1,455	395	5	2	2	9	26	47	17	2	2	2	2
Ontario.....	13,275	3	15	16	238	11,286	37	32	7	4	86	408	318	234	8	1
Manitoba.....	83	1	1	1	33	32	7	1	1	1	1	1	1	1	1	1
Saskatchewan.....	68	1	1	1	29	6	23	1	1	4	1	1	1	1	1	1
Alberta.....	29	1	1	1	14	3	6	1	1	1	1	1	1	1	1	1
British Columbia.....	19	1	1	1	8	1	2	1	2	2	2	2	2	2	2	2
Province unspecified.....	1,424	2	1	3	100	1,068	58	56	33	3	3	3	3	3	3	3
British Isles.....	17,204	5	29	16	125	2,319	11	6	2	456	6,628	3,515	3,141	118	49	
England.....	8,453	2	13	6	49	972	5	5	2	202	6,234	333	201	22	5	
Ireland.....	4,606	2	8	5	49	806	2	1	1	149	190	2,979	178	4	3	
Scotland.....	3,921	1	7	4	26	515	2	1	1	102	165	195	2,754	2	5	
Wales.....	160	1	1	1	20	1	1	1	3	27	6	3	90	1	1	
Other.....	64	1	1	1	6	1	1	1	1	12	2	5	36	1	1	
British Possessions.....	150	1	3	3	19	1	1	1	3	13	4	4	1	1	1	
Newfoundland.....	82	1	3	2	9	1	1	1	3	3	2	2	1	1	1	
Other.....	68	1	1	1	10	1	1	1	3	10	2	4	1	1	1	
Europe.....	3,328	1	23	244	9	10	5	27	33	30	5	3	3	3	3	
Austria.....	117	1	1	1	1	1	1	3	1	1	1	1	1	1	1	
Belgium.....	45	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Czechoslovakia.....	79	1	1	4	1	1	1	1	1	1	1	1	1	1	1	
Denmark.....	33	1	1	2	1	1	1	1	1	1	1	1	1	1	1	
Finland.....	172	1	1	6	27	3	8	8	1	1	1	1	1	1	1	
France.....	131	10	10	27	10	10	12	13	2	2	2	2	2	2	2	
Germany.....	915	2	121	3	2	2	11	12	1	1	1	1	1	1	1	
Hungary.....	99	1	3	2	3	2	1	1	1	1	1	1	1	1	1	
Italy.....	314	4	19	9	1	1	2	2	2	2	2	2	2	2	2	
Netherlands.....	54	1	9	1	1	1	1	2	2	2	2	2	2	2	2	
Norway.....	36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Poland.....	539	1	20	1	2	4	1	1	1	1	1	1	1	1	1	
Roumania.....	94	3	1	1	1	1	1	1	1	1	1	1	1	1	1	
Russia (U.S.S.R.).....	439	10	2	4	1	1	1	1	1	1	1	1	1	1	1	
Sweden.....	71	4	1	1	2	2	2	2	2	2	2	2	2	2	2	
Yugoslavia.....	66	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
Other.....	124	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Asia.....	149	3	1	1	1	1	1	1	1	1	1	1	1	1	1	
China.....	109	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
Japan.....	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Other.....	33	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
United States.....	986	1	4	4	20	314	2	3	1	36	44	49	26	1	1	
Other American countries.....	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Other countries.....	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Unspecified.....	1,943	1	5	2	18	206	4	1	1	20	24	27	6	1	1	
Total Mothers.....	41,063	34	145	111	1,867	15,635	109	90	25	7	1,712	7,250	4,057	3,481	137	51

Birthplaces of Parents of Decedents in the Province of Ontario, 1943

OF MOTHER		Europe																Asia			United States	Other Amer. countries	Other countries	Unspecified			
British Possessions	Newfoundland	Austria	Belgium	Czechoslovakia	Denmark	Finland	France	Germany	Hungary	Italy	Netherlands	Norway	Poland	Roumania	Russia (U.S.S.R.)	Sweden	Yugoslavia	Other	China	Japan					Other		
18	15	1	6	1	...	4	11	40	3	3	2	...	8	2	6	...	1	1	...	...	...	...	352	...	1	371	
1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...
1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	13
4	1	...	3	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	6	...	...	...	5
11	12	1	1	1	...	4	8	39	3	3	1	...	5	1	4	...	1	...	...	...	...	...	34	...	1	...	70
...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	261	...	1	...	225
...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	1
1	1	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	...	...	55
12	29	...	...	1	...	12	14	...	1	6	2	2	2	...	1	...	...	1	...	...	...	...	179	...	1	523	
7	11	...	...	1	...	5	9	...	1	3	1	2	...	...	1	...	...	1	...	...	...	...	75	...	1	284	
3	9	...	...	...	...	5	3	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	62	...	...	...	146
2	8	...	...	...	...	1	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	41	...	...	...	88
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	4
...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
54	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	9
54	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	6
...	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	3
...	1	104	38	65	25	152	56	702	94	276	31	26	458	73	382	2	54	64	85	...	...	...	36	2	...	214	
...	95	...	37	62	25	1	1	1	1	1	1	1	2	...	2	...	...	...	...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	7
...	1	1	1	...	150	45	10	...	...	...	...	...	1	...	1	...	...	1	1	1	1	...	1	...	...	...	14
...	...	...	...	...	...	6	682	1	89	275	29	25	3	...	...	1	1	1	1	1	1	...	8	...	...	...	6
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17	...	...	...	39
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	5
...	1	1	2	...	...	...	...	2	...	...	...	...	443	2	9	2	2	...	...	...	...	2	...	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	71	2	...	...	...	...	...	...	...	1	...	...	...	51
...	5	...	1	...	...	...	...	...	...	...	...	...	6	...	365	51	2	2	...	...	...	...	1	...	...	...	11
...	1	...	...	...	2	1	...	...	...	1	1	1	...	...	...	57	...	...	...	...	...	...	...	...	...	...	38
...	...	...	...	...	...	3	4	1	1	...	1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100	...	...	...	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100	...	...	...	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	...	...	1
1	3	1	1	...	...	7	6	...	1	1	...	1	1	...	...	...	...	4	...	...	...	...	395	1	...	58	
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
1	1	1	...	...	...	2	3	...	...	...	1	...	...	...	2	...	...	2	...	1	...	...	7	...	1	...	1
86	82	107	44	67	26	156	88	765	97	281	41	28	469	75	392	54	65	94	101	7	30	973	4	3	2,787		

















83E. With mention of arteriosclerosis. ....	M 1042	1	4	11	18	52	79	131	199	193	213	112	25	4	83E									
84. Mental disorders and deficiency (general paralysis of the insane excepted). ....	F 1199	1	7	15	35	49	93	140	166	276	229	142	32	13										
84A. Schizophrenia (dementia praecox). ....	M 32	1	3	2	5	4	2	3	4	3	2	1	1	1	84									
84B. Others under this title. ....	F 47	4	3	1	2	3	3	1	2	3	2	1	1	1										
85. Epilepsy. ....	M 7	1	1	1	2	3	2	3	4	3	2	1	1	1	84A									
86. Convulsions (under 5 years of age). ....	M 11	1	1	1	2	3	2	2	2	2	1	1	1	1	84B									
87. Other diseases of the nervous system. ....	M 25	1	3	2	4	5	7	11	15	22	27	32	39	43	85									
87B. Neuritis. ....	F 41	1	1	1	1	1	1	1	1	1	1	1	1	1	86									
87C. Paralysis agitans. ....	M 40	1	1	1	2	3	4	6	10	13	17	23	30	37	87									
87D. Disseminated sclerosis. ....	M 50	1	2	1	2	3	3	4	7	11	17	22	27	33	87B									
87E. Others under this title. ....	M 73	1	1	1	2	3	4	5	6	10	13	15	19	22	87C									
88. Diseases of organs of vision. ....	M 12	1	1	1	2	3	4	5	6	10	13	15	19	22	87D									
89. Diseases of the ear and of the mastoid process. ....	M 11	1	1	1	1	1	1	1	1	1	1	1	1	1	87E									
89A. Otitis and other diseases of the ear. ....	M 28	5	3	3	4	5	8	9	12	17	23	30	37	44	88									
89B. Diseases of the mastoid process. ....	M 21	5	3	1	2	3	4	4	6	10	13	17	23	29	89									
90. Pericarditis (acute rheumatic excluded). ....	M 7660	1	1	2	4	5	8	9	12	17	23	30	37	44	90									
90A. Chronic rheumatic pericarditis. ....	F 6150	1	1	1	1	1	1	1	1	1	1	1	1	1	90A									
90B. Others under this title. ....	M 7083	2	2	2	3	4	5	6	7	11	15	19	25	31	90B									
91. Acute endocarditis (non-rheumatic). ....	F 5617	1	1	1	1	1	1	1	1	1	1	1	1	1	91									
<b>Total. ....</b>	<b>13810</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>15</b>	<b>22</b>	<b>40</b>	<b>73</b>	<b>87</b>	<b>148</b>	<b>213</b>	<b>430</b>	<b>633</b>	<b>955</b>	<b>1293</b>	<b>1736</b>	<b>2086</b>	<b>2240</b>	<b>2009</b>	<b>1262</b>	<b>439</b>	<b>83</b>	<b>10</b>	<b>22</b>

CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM





TABLE 35.—CAUSES OF DEATH BY SEX AND AGE IN THE PROVINCE OF ONTARIO, 1943—Continued

CAUSES OF DEATH	Sex	Total	AGES—YEARS																	100 and over	Not stated							
			Un-der	1	2	3	4	5	10	15	20	25	30	35	40	45	50	55	60			65	70	75	80	85	90	
			der	1	2	3	4	5	10	15	20	25	30	35	40	45	50	55	60			65	70	75	80	85	90	
110a. Emypenia	M	20	1	1								2	2	1	2	3	2	1	1	1								
110b. Others under this title	F	9	2																									
111. Haemorrhagic infarction, congestive oedema and thrombosis of the lungs	M	14								1		3	1															
111a. Haemorrhagic infarction and thrombosis of the lungs	F	54																										
111b. Others under this title	M	76								1	2	1	1							5		12	7	13	4	3		
112. Asthma	F	10									1	1	1							2		3	1		1			
112a. Others under this title	M	43																		1		1	1	1	2			
112b. Others under this title	F	70																		1		2	1	1	2			
112c. Others under this title	M	33	2		1															2	2	2	2	5	8	18	16	5
112d. Others under this title	F	21									2	2	2	1	2	2	2	3	3	2	1	1	1	2	2	1	1	
113. Pulmonary emphysema	M	2								1										1								
113a. Other diseases of the respiratory system (tuberculosis excepted)	F	34	1								2	1	2							7	5	4	7	1	1			
114. Silicosis	M	10						1			1	1	2							1	1	1	1	2				
114a. Other and unspecified forms of pneumoconiosis	M	9									1	1	2							1	1	2	1					
114b. Others under this title	F	1																										
114c. Others under this title	M	23									1	1	1							1	1							
114d. Others under this title	F	10						1			1	2								4	3	2	5	1	2	1		
																				1	1	1	1	2	1			
<b>CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM</b>																												
<b>Total</b>		1640	199	21	12	12	3	27	31	21	31	41	49	72	85	105	140	167	164	142	128	93	47	15	2		3	
Diseases of the buccal cavity and annæxa, and of the pharynx and tonsils	M	972	128	14	7	8	3	16	20	17	15	19	25	41	49	67	90	103	92	83	74	47	21	11		1		
	F	668	71	7	5	4		11	11	4	16	11	20	23	31	36	38	50	64	72	59	46	26	4		2		
Diseases of the teeth and gums	M	41	7	3	2	2	1	2	3	1	4	4	1	1						3	2	1	1	1		1		
	F	23	2		1			4	2			1	1		1	1	1	4		1	1	1	1			1		
Septic sore throat	M	6										2								1		1						
	F	11	1	1	1			2	1	1	1	1								1		1						
Diseases of the pharynx and tonsils	M	19	6	1	1	1	1	3	1	3		2	1							1	1	1	1	1		1		
	F	11						2	1	1	1	1								1	1	1	1			1		







140A. Spontaneous, therapeutic or unspecified.....	F	10																			140A
140B. Self-induced.....	F	11																			140B
140C. Non-therapeutic.....	F	1	1			2	2	2	1	2	3										140C
141. Abortion without mention of infection.....	F	11				3	1	3	4												141
141A. Spontaneous, therapeutic or unspecified.....	F	10				3	1	3	3												141A
141C. Non-therapeutic.....	F	1																			141C
142. Ectopic gestation.....	F	14				1	4	5	3	1											142
142A. With mention of infection.....	F	6				2	4	5													142A
142B. Without mention of infection.....	F	8				1	2	1	3	1											142B
143. Haemorrhage of pregnancy—death prior to delivery.....	F	1				1															143
143A. Placenta praevia.....	F	1				1															143A
144. Toxicæmias of pregnancy—death prior to delivery.....	F	14				2	4	3	4	1											144
145. Other diseases and accidents of pregnancy—death prior to delivery.....	F	4							2	2											145
146. Haemorrhage of childbirth and the puerperium.....	F	24				1	2	6	8	2	4										146
146A. Placenta praevia.....	F	11				1	1	5	1	3											146A
146B. Premature separation of placenta.....	F	2				1		1													146B
146C. Others under this title.....	F	11				1	5	2	1	1											146C
147. Infection during childbirth and the puerperium.....	F	43				2	14	10	11	5	1										147
148. Puerperal toxicæmias—following delivery.....	F	27				1	2	9	6	5	4										148
148A. Puerperal eclampsia.....	F	18				1	1	5	5	3	3										148A
148B. Puerperal albuminuria and nephritis.....	F	4						2		2											148B
148C. Acute yellow atrophy of liver.....	F	1						1		1											148C
148C. Others under this title.....	F	4				2	1	2		1											148C
149. Other accidents of childbirth.....	F	18				2	3	4	4	1	4										149
149A. Laceration, rupture or other trauma of pelvic organs and tissues.....	F	2						3	4	3	1	3									149A
149B. Other conditions of childbirth.....	F	16				2	3	4	3	1	3										149B
150. Other and unspecified conditions of childbirth and the puerperal state.....	F	11						4	2	2	1										150
150B. Psychosis of the puerperal state.....	F	1						1													150B
150C. Others under this title.....	F	10						3	2	2	1										150C
<b>Total.....</b>		41	4	2	1	1	3	1	1	1	3	5	2	4	3	5	1	3	1		
M	32	4	1	1	1	1	3	1	1	1	2	2	4	2	2	2	1	3			
F	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
M	5	1					1				1										151
F	2																				

CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE

151. Carbuncle and furuncle.....

















DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943

Not stated	NATIVITY					MONTHS											
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			USA	Other													
188	30050	7595	888	2308	222	3837	3463	3790	3418	3542	3163	3053	2877	2855	3200	3227	4638
166 22	15860 14190	4155 3440	436 452	1532 776	176 46	2064 1773	1880 1583	2050 1740	1803 1615	1912 1630	1735 1428	1658 1395	1604 1273	1518 1337	1686 1514	1746 1481	2503 2135
5	1817	325	38	212	16	180	199	241	210	210	150	138	147	155	154	133	491
5	966 851	200 125	19 19	166 46	9 7	100 80	114 85	138 103	129 81	118 92	87 63	87 51	86 61	81 74	89 65	71 62	260 231
4	3			1		1			1		2		2				2
5	1									2			3				
2												1		1			
1									1		1						5
19	1					2		3	3	5					2	1	16
8	2			1			3		3					4			17
11	1	2				1	2	1	1				2	1	1		38
10						1	2	1	1	2			1	1	2		1
37						3	5	3	3	2	2	3	2	2	5	2	59
34						5	2	1	1	5	2	2	6	4	3	5	
5								1	1							1	210
1					1				1								
2	1							1	1							1	
3								1	1								
5								1	1								
2								1	1								
1				1													
1	406 387	91 38	9 8	121 33	4 4	42 41	53 36	56 34	63 37	66 45	57 39	56 37	57 36	47 46	45 33	37 34	52 52
1	357 320	90 35	7 8	113 29	4 3	37 34	48 28	51 29	60 28	58 36	55 33	51 35	52 27	40 40	40 28	34 30	45 47
	9	3		6		1	1	2	1	1	2	4	2	3		1	13A
1	334 309	86 33	7 8	98 28	4 3	35 34	46 27	44 27	56 27	50 33	50 33	47 35	48 25	36 39	37 26	31 29	43 46
4	1			1				1								1	13C
13	1			8		1	1	4	3	1	3		2	1	3	1	213b
7	1			1				2	1	1			2	1	1		1
13	1			3		2	1	2	1	2		2	2	2	1		214
33	1			1		4	4	2	3	4	1	2	4	4	3	1	3
3				1				1		1		1					15
10					1		1		2	1	3		1		2	1	
11			1	1			1			2	2	1		2	1	2	216
6				1		1			1	1	2		1		1		
5				1			2							1	1		217
3								1					1				1
2							1							1			17A
2								1									1
3				1			1							1	1		17B
1								1									
1							1										19
1									1								
6			1			2	1	1		1		1			1		120
4				2		1	1	1		1			1	1			
2				1					1				1	1			21
1		1											2				

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION												
			Single					Married							
			Under 15	15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over	Age not stated	Widowed	
22. Disseminated tuberculosis	M	9	2	1	3							2	1		
	F	10	2	1	1	2					1	1			1
22A. Acute generalized miliary	M	8	2	1	2							2	1		
	F	9	2		1	2				1	1	1			1
22B. Other and unspecified generalized	M	1			1										
	F	1		1											
24. Purulent infection and septicaemia	M	12	4		1						1	4	2		
	F	9	2							1	4				2
25. Gonococcus infection	M	2		1								1			
	F	3	1			1					1				
27. Dysentery	M	5	5												
	F	14	9		1										1
30. Syphilis	M	180	8	4	7	16	8			17	72	24			22
	F	61	7		3		2		1	10	16	6			23
30A. Locomotor ataxia (Tabes Dorsalis)	M	21				4	1				3	3			6
	F	9			1						7	1			4
30B. General paralysis of the insane	M	38		1	2	6	1			9	13	4			2
	F	9					1			1	3				4
30C. Other syphilis of the central nervous system	M	28			4	1	1			5	15	1			1
	F	11			1					3	3				4
30D. Others under this title	M	93	8	3	1	5	5			3	37	16			13
	F	39	7		1		1		1	6	7	5			11
32. Other diseases due to spirochaetes	M	2	1		1										
	F	4	1												
33. Influenza	M	346	86	9	9	17	32			1	8	35	66		81
	F	353	68	6	5	6	27			1	17	27	38		158
33A. With respiratory complications	M	233	48	5	8	13	17			1	3	31	47		58
	F	250	45	4	3	6	17			1	15	21	28		110
33B. Without respiratory complications	M	113	38	4	1	4	15				5	4	19		23
	F	103	23	2	2		10				2	6	10		48
35. Measles	M	11	10	1											
	F	21	18	1							1				1
36. Acute poliomyelitis and polioencephalitis	M	8	1	5							2				
37. Acute infectious encephalitis	M	9			4	1					2	2			
	F	7	1	1			2				2				1
38. Other diseases due to filterable viruses	M	5	1	1							1	1	1		
	F	5	5												
38B. German measles	M	1		1											
38C. Chicken-pox	M	3	1								1	1			
	F	5	5												
38D. Others under this title	M	1													
	F	1													
41. Hydatid disease	M	1													
	F	1													
42. Other diseases due to helminths	F	2								1					1
43. Mycoses	M	4	1								2	1			
44. Other infectious and parasitic diseases	M	49	6	3	5	2	1				8	12	9		3
	F	21	1	2	2		1				1	2	2		10
44B. Lymphogranulomatosis (Hodgkin's disease)	M	44	2	3	5	2	1				8	12	9		2
	F	16	1	2	2		1				1	2	1		6
44C. Mumps	M	5	4												1
	F	5										1			4
CLASS II.—CANCER AND OTHER TUMOURS															
<b>Total</b>		5365	49	28	91	275	375	1	10	366	1455	1264			1437
	M	2571	20	16	33	126	194		3	126	705	820			516
	F	2794	29	12	58	149	181	1	7	240	750	444			921
45-55. Cancer and other malignant tumours	M	2526	17	14	30	123	193		3	117	690	814			513
	F	2667	23	11	53	138	175	1	5	211	709	438			901
45. Cancer of the buccal cavity and pharynx	M	158	1		1	5	17			3	30	60			40
	F	34	1		1	3	1	1			7	7			13

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stated	NATIVITY				MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			USA	Other													
	8			1			2	1	2				2	1		1	22
	9	1				1	2	1	2	2						1	1
	7			1					2	2							22A
	8	1				1	1	2	2	2			2	1		1	1
	1						1		1								22B
	10	2				1		1		1	2	1	1	1	2		2 24
	6	2	1			1	1		1		1		1	1	2		1
	2								2								25
	3												1		1		1
	5					1						1		1	1	1	27
	12	2									1	2	1	6	2	1	1
2	103	40	4	30	3	14	14	21	16	16	12	12	13	9	16	7	30 30
	45	18		5		4	6	6	6	7	4	4	3	5	6	6	11
	12	5		4		2		3	5	2	3	1			2	1	2 30A
	4	5				2			1	1	2	1					2
	19	9	1	8	1	2	3	5	5	4	1	1	5	3	4		5 30B
	5	3		1			2	1	2	1						1	1
	19	3		6			2		1	1	2	2	3	2	5	1	9 30C
	6	4		1					1	2				2	2	2	2
2	53	23	3	12	2	10	9	13	5	9	6	8	5	4	5	5	14 30D
	30	6		3		2	4	5	2	3	2	3	2	3	4	3	6
	1			1								1			1		32
	4					1							1		1	1	
2	281	53	3	7	2	29	31	40	30	19	3	6	4	4	8	14	158 33
	280	59	8	4	2	21	31	54	23	23	10	3	2	9	8	13	156
2	186	38	3	5	1	21	20	28	21	12	1	3	1	2	3	8	113 33A
	194	46	5	4	1	18	21	36	15	15	4	2	1	6	3	12	117
	95	15		2	1	8	11	12	9	7	2	3	3	2	5	6	45 33B
	86	13	3	1	1	3	10	18	8	8	6	1	1	3	5	1	39
	11					1	1	1	1	1	3	2		1			1 35
	21						1		3	5	4	1		2	3		2
	7	1					1				1			5	1		36
	7	1		1		1	2	1	1				3				1 37
	5		1	1					1		1		3	1		1	
	4	1				1		1	1	1	1						38
	5					2	1								1		1
	1										1						38B
	2	1				1			1	1							38C
	5					2	1								1		1
	1							1									38D
	1																41
				2		2											42
	4							1							1	1	1 43
	40	5	1	3		4	3	4	4	7	3	4	2	5	5	5	3 44
	16	3	1	1		2		6	2	3	1	2		1	1	1	3
	35	5	1	3		4	1	2	4	7	3	3	2	5	5	5	3 44B
	13	1	1	1		1		6		2	1	1		1	1	1	3
	5						2	2		2		1					44C
	3	2				1			2	1							
14	3508	1328	112	400	17	462	435	425	465	471	405	460	446	421	457	420	498
12	1601	666	41	251	12	213	210	218	218	237	200	211	225	188	201	205	245
2	1907	662	71	149	5	249	225	207	247	234	205	249	221	233	256	215	253
12	1572	658	40	244	12	207	204	213	211	236	200	207	221	186	200	200	241 45-55
2	1806	646	67	143	5	238	211	194	235	220	198	234	215	226	246	207	243
1	113	36	1	7	1	12	9	8	18	21	16	7	8	13	21	5	20 45
	23	10		1		4		1	3	1	4	3	4	3	2	3	6

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION												
			Single						Married					Widow	
			Under 15	15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over	Age not stated		
46. Cancer of the digestive organs and peritoneum	M	1358	1	3	17	60	103					58	387	457	265
	F	1164	3		14	45	81					42	286	224	468
46A. Oesophagus	M	72				2	10						18	26	15
	F	38				3	2					2	8	10	13
46B. Stomach	M	539		1	7	26	46					19	148	184	105
	F	311			4	8	21					14	75	66	123
46C. Duodenum	M	6				1							2	2	1
	F	4											1		3
46D. Rectum and anus	M	185			1	5	10					12	56	56	45
	F	143			3	9	11					9	35	21	55
46E. Intestines	M	358	1	2	5	20	20					20	94	131	65
	F	403			5	15	33					10	99	74	167
46F. Liver and biliary passages	M	101			3	2	6					3	31	36	14
	F	153	1		1	6	7					4	36	34	64
46G. Pancreas	M	87				4	7					3	35	19	19
	F	86			1	4	6					1	23	16	38
46H. Mesentery and peritoneum	M	9			1		1					1	3	2	1
	F	18	2				1					2	9	3	
46M. Other and unspecified sites	M	1												1	
	F	5													5
47. Cancer of the respiratory system	M	241	1	1	3	19	16					15	104	43	36
	F	94		4	3	5	12					11	26	13	20
47A. Larynx	M	43				4	9					1	11	8	9
	F	13		1		1	3						4	1	3
47B. Lung	M	126		1	1	11	6					9	57	22	17
	F	60		2	3	4	9					8	14	7	13
47C. Mediastinum and other sites	M	72	1		2	4	1					5	36	13	10
	F	21		1								3	8	5	4
48. Cancer of the uterus	M	360			7	21	11				2	54	124	47	94
	F	141			5	3	2					33	53	15	30
48A. Cervix	M	141													
48B. Other and unspecified sites	F	219			2	18	9			2	21	71	32		64
49. Cancer of other female organs	M	163		1	7	21	13				18	40	26		37
	F	4				1							1		2
50. Cancer of the breast	M	556		1	15	36	35				60	162	75		172
	F	301	1		3	12	28				13	43	123		78
52. Cancer of the urinary organs	M	207	7		2	12	12			1	7	61	64		40
	F	104	6	1		4	10				2	22	24		34
52A. Kidney	M	51	6		1	1	3				7	15	8		6
	F	36	6	1		1	2				1	10	5		10
52B. Bladder	M	154	1			8	9			1		45	56		34
	F	66				3	8				1	11	19		23
52C. Other and unspecified sites	M	2			1								1		
	F	2											1		1
53. Cancer of the skin	M	67			2	1	8				2	7	24		23
	F	23			1		5					2	2		13
54. Cancer of the brain	M	48	3	2	1	5	1			1	10	20	2		4
	F	33	8	1	1		1				9	5	4		4
55. Cancer of other and unspecified organs	M	142	3	8	1	8	9			1	9	38	40		25
	F	136	5	3	4	3	6			3	15	35	16		46
56. Non-malignant tumours	M	26	3	1		2	1				5	8	4		2
	F	108	5	1	3	9	6			2	28	33	5		16
56A. Ovary	M	27	1		2	2	2			1	3	6	1		9
	F	46				4	1				18	20	1		2
56B. Uterus	M	16	3	1							5	6			1
	F	22	3	1	1	3				1	5	5	2		1
56E. Other and unspecified organs	M	10				2	1					2	4		1
	F	13	1				3				2	2	1		4
57. Tumours of undetermined nature	M	19		1	3	1					4	7	2		1
	F	19	1		2	2					1	8	1		4
57A. Ovary	M	1										1			
	F	1													
57B. Uterus	M	1													
	F	1													1
57D. Brain and other parts of the central nervous system	M	15		1	3						2	7	2		1
	F	13	1		2	1					1	7			1
57E. Other and unspecified organs	M	4				1					2				1
	F	4				1							1		2

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY					MONTHS												
	Cana- da	Brit- ish	Foreign		Not stat- ed	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
7	840	352	21	139	6	109	118	116	119	128	105	119	126	95	94	109	120	46
1	802	272	23	65	2	108	88	81	106	95	80	104	97	109	93	90	113	
1	38	22	2	10		7	2	7	6	12	2	5	3	7	3	7	11	46A
2	22	14		2		3	4	5	2	3	4	4	6	2	2		2	
3	320	147	7	63	2	49	46	45	55	49	43	46	48	35	38	37	48	46B
1	197	84	8	22		24	28	18	20	22	23	29	32	31	25	21	38	
6						1	1	1				1				1	1	46C
3						1	1	1	1									
122	46	4	11	2	14	19	18	14	18	10	15	17	12	12	22	14	46D	
106	29	5	3		11	10	14	13	15	4	15	8	19	13	9	12		
240	89	5	24		28	35	33	27	29	30	32	38	25	28	25	28	46E	
287	93	4	18	1	49	23	27	39	32	32	39	31	31	30	35	35		
3	63	22	2	12	2	4	8	8	7	10	12	9	10	8	5	9	11	46F
111	28	2	12		9	16	12	16	13	8	10	15	15	12	10	17		
48	23	1	15		7	7	3	9	9	6	10	8	8	8	6	46G		
62	17	3	6	1	10	5	4	13	7	5	5	4	8	9	11	8		
2	3		4					1		2	1	1			2	1	46H	
1	10	6	1	1		1	1	1	2	3	3	1		2	1	1		
1												1						46M
4			1								1	1	1	1		1		
3	100	86	2	50	3	24	21	22	20	20	13	17	26	20	18	15	25	47
60	25	3	6		7	11	9	3	11	11	10	7	4	12	4	5		
1	27	9		7		5	2	3	3	5	2	4	4	4	1	2	8	47A
7	4		2			2			1		1		1	1	2	3		
2	50	44	1	28	3	12	13	14	9	7	7	9	14	11	12	9	9	47B
39	14	3	4		7	8	6	1	6	6	5	5	3	9	2	2		
23	33	1	15		7	6	5	8	8	4	4	4	8	5	5	4	8	47C
14	7					1	1	2	4	5	4	2						
245	77	16	21	1	35	23	29	30	31	26	31	31	34	36	29	25	48	
85	38	6	12		14	12	10	14	15	8	13	10	10	16	9	10	48A	
160	39	10	9	1	21	11	19	16	16	18	18	21	24	20	20	15	48B	
115	37	3	8		9	17	13	15	14	13	13	10	14	15	12	18	49	
3	1																	50
374	140	14	27	1	48	53	36	50	41	43	44	47	42	61	49	42		
209	73	5	13	1	28	23	30	22	24	24	29	18	23	25	24	31	51	
1	144	47	3	13		14	18	17	13	18	20	13	16	14	22	13	29	52
1	63	33	4	4		10	6	8	5	9	4	15	7	13	8	11		
1	38	7		6		6	3	5	2	2	5	2	2	2	7	3	9	52A
20	14		2		3	3	2	2	2	4	2	5	2	7		6		
105	39	3	7		8	15	12	11	16	14	8	14	12	15	9	20	52B	
1	43	17	4	2		7	3	6	3	4	2	9	5	6	8	5		
1	1									1						1		52C
2	2									1		1						
42	20		5		5	1	4	3	6	5	6	9	5	8	13	2	53	
19	3	1			2	2	2	3	4	1	1	1	1	3	2	2		
31	10	2	5		5	7	5	3	7	4	3	3	3	3	2	3	54	
21	8		4		3	1	3	5	3	4	3	2	2	2	2	5		
90	33	6	12	1	8	7	11	12	12	13	13	14	13	9	19	11	55	
84	41	3	7	1	12	10	12	15	11	12	11	9	4	14	10	16		
17	5	1	3		3	5	3	5			2	1	2	4	1	1	56	
86	12	4	6		9	13	11	9	13	7	13	5	7	8	6	7		
26	1				3	3	4	2	2	4	1	1	3	2	2	2	56A	
31	7	3	5		3	4	5	2	5	5	6	2	6	4	2	2	56B	
13	2	1			2	2	3	4			2	1			2		56D	
19	2	1			3	3	1	4	2		4		1	1	2	1		
4	3		3		1	3		1						2	2	1	56E	
10	2		1			3	1		2	1	2			1		2		
12	3		4		3	1	2	2	1		2	3		1	1	3	57	
15	4				2	1	2	3	1		2	1		2	2	3		
1	1					1												57A
1	1											1						57B
9	2		4		3	1	1	1	1		2	3		1	1	1	57D	
11	2				2		2	2	2	1		1		2	1	1		
3	1						1	1	1									57E
3	1								1			1				1		

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single					Married					Wid-owed	
			Un-der 15	15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over		Age not stated
CLASS III. — RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES														
<b>Total</b> .....		1455	91	37	48	51	66	1	3	88	301	336	1	429
	M	575	50	23	22	26	33		1	36	114	169	1	97
	F	880	41	14	26	25	33	1	2	52	187	167		332
58. Acute rheumatic fever ..	M	57	13	12	3	2			1	17	4	2		3
	F	57	14	8	9				1	17	1	1		6
58A. Acute rheumatic heart conditions	M	52	12	12	3	2			1	16	4			2
	F	52	12	6	9				1	17	1	1		5
58B. Others under this title ..	M	5	1							1		2		1
	F	5	2	2										1
59. Chronic rheumatism and other rheumatic diseases.....	M	29			1	2	8				2	12		4
	F	42	1				7			1	3	6		24
61. Diabetes mellitus .....	M	411	5	8	13	19	22			13	92	151	1	85
	F	587	8	5	6	15	16			17	129	132		259
62. Diseases of the pituitary gland .....	M	2									1			1
	F	6		1	2						3			
63. Diseases of the thyroid and parathyroid glands	M	38	2	3	4	3	3			2	13	3		4
	F	162	1		8	10	10		1	14	50	28		40
63A. Simple goitre.....	M	2			1						1			
	F	11				1					5	4		1
63B. Exophthalmic goitre....	M	28		2	3	3	2			2	12	2		2
	F	140			7	9	8		1	14	41	23		37
63C. Myxoedema and cretinism.....	M	6	2	1			1					1		1
	F	6	1				2					1		2
63D. Others under this title ..	M	2												1
	F	5			1						4			
64. Diseases of the thymus gland .....	M	28	28											
	F	17	16					1						
65. Diseases of the adrenal glands (Addison's disease).....	M	6								3	2	1		
	F	7			1					3	1			2
66. Other general diseases ...	M	1			1									
66B. Others under this title ..	M	1			1									
68. Beriberi .....	M	1			1									
69. Pellagra .....	F	1								1				1
70. Rickets .....	M	2	2											
	F	1	1											
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS														
<b>Total</b> .....		366	51	21	6	17	23		1	25	54	88		71
	M	193	33	18	5	6	13		1	11	30	54		21
	F	167	18	3	1	11	10			14	24	34		50
72. Haemorrhagic conditions.	M	13	8	1								1		1
	F	9	2			3				1	3			
72A. Primary purpura.....	M	10	5	1							2	1		1
	F	9	2			3				1	3			
72B. Haemophilia .....	M	3	3											
73. Anaemias.....	M	71	1	1	2	3	10		1	1	4	30		18
	F	87		2		2	8			5	9	24		36
73A. Pernicious anaemia.....	M	55			1	3	8				4	24		15
	F	65				1	8			3	7	20		25
73B. Others under this title ..	M	16	1		1		2		1	1		6		3
	F	22		2		1				2	2	4		11
74. Leukaemias and aleukaemias.....	M	99	23	15	2	3	3			9	22	19		2
	F	55	14	1	1	5	1			7	7	8		10
74A. Leukaemias.....	M	99	23	15	2	3	3			9	22	19		2
	F	55	14	1	1	5	1			7	7	8		10

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stated	NATIVITY					MONTHS											
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			USA	Other													
3	1037	274	41	100	3	138	121	156	132	115	125	105	98	86	112	118	149
3	416	99	12	46	2	50	45	63	60	42	59	49	43	31	40	43	50
.....	621	175	29	54	1	88	76	93	72	73	66	56	55	55	72	75	99
.....	46	4	3	4	.....	7	4	4	5	4	6	8	2	2	6	3	6
.....	40	10	3	4	.....	6	4	6	7	5	4	4	4	3	4	3	7
.....	42	4	2	4	.....	7	3	3	5	4	6	7	2	2	4	3	6
.....	39	10	1	2	.....	5	3	6	6	4	4	4	4	3	4	3	6
.....	4	.....	1	.....	.....	1	1	.....	1	1	.....	1	.....	.....	2	.....	.....
.....	1	.....	2	2	.....	1	1	.....	1	1	.....	.....	.....	.....	.....	.....	1
.....	21	5	.....	3	.....	3	3	3	3	4	4	4	.....	3	.....	1	1
.....	35	6	1	.....	.....	3	6	3	2	3	2	3	5	1	4	7	3
.....	281	85	9	35	1	33	33	52	41	30	41	29	34	20	31	29	38
.....	393	136	19	39	.....	63	52	60	48	49	40	39	41	34	45	51	65
.....	2	.....	.....	.....	.....	.....	1	.....	.....	.....	2	.....	.....	.....	.....	.....	62
.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	1	2	.....
.....	1	30	3	4	1	2	3	1	6	3	2	4	5	3	2	5	2
.....	124	20	6	11	1	14	12	17	14	13	19	8	4	12	18	11	20
.....	2	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
.....	8	1	1	.....	.....	1	.....	3	.....	.....	.....	.....	.....	1	1	2	1
.....	22	2	4	.....	.....	3	3	.....	3	2	2	4	5	3	2	3	1
.....	107	17	5	10	1	13	11	12	14	11	15	8	4	10	17	9	16
.....	5	1	.....	.....	.....	1	.....	1	2	1	.....	.....	.....	.....	.....	1	63C
.....	5	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	3
.....	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	63D
.....	4	1	.....	.....	.....	.....	.....	1	.....	2	2	.....	.....	.....	.....	.....	.....
.....	28	.....	.....	.....	.....	4	2	1	5	1	4	2	.....	3	1	3	2
.....	17	.....	.....	.....	.....	1	1	5	1	3	1	1	.....	1	.....	1	2
.....	4	2	.....	.....	.....	.....	.....	1	.....	.....	.....	1	2	.....	.....	2	65
.....	5	2	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	1	3	.....	.....	1
.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
3	278	56	5	20	1	40	29	26	24	39	42	22	25	29	23	29	32
1	146	30	4	13	.....	17	16	10	17	21	19	15	16	18	13	13	18
2	132	26	1	7	1	23	13	16	10	7	18	7	9	11	10	16	14
.....	11	1	1	.....	.....	2	2	1	.....	1	2	.....	.....	1	2	2	2
.....	9	.....	.....	.....	.....	2	1	.....	2	1	1	.....	1	.....	.....	1	.....
.....	8	1	1	.....	.....	2	2	1	.....	1	2	.....	.....	1	.....	2	1
.....	9	.....	.....	.....	.....	2	1	.....	2	1	1	.....	1	.....	.....	1	.....
.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1
.....	53	15	1	2	.....	6	4	5	10	9	8	5	4	8	1	3	8
.....	71	13	.....	2	1	10	6	11	2	11	11	5	2	8	6	6	9
.....	44	10	.....	1	.....	6	2	3	8	9	6	4	4	5	1	1	6
.....	1	51	11	2	1	9	3	7	1	11	8	5	1	7	4	1	8
.....	9	5	1	1	.....	2	2	2	2	.....	2	1	.....	3	.....	2	2
.....	20	2	.....	.....	.....	1	3	4	1	.....	3	.....	1	1	2	5	1
.....	76	12	2	9	.....	11	9	4	6	10	9	8	10	9	8	8	7
.....	1	41	9	1	4	8	4	4	2	5	7	2	6	2	3	9	3
.....	1	76	12	2	9	11	9	4	6	10	9	8	10	9	8	8	7
.....	1	41	9	1	4	8	4	4	2	5	7	2	6	2	3	9	3

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION													
			Single					Married					Wid-owed			
			Un-der 15	15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over		Age not stated		
75. Diseases of the spleen . . .	M	7	1		1							1	2	2		
	F	14	1			1	1					1	4	2		4
76. Other diseases of the blood and blood-forming organs . . .	M	3		1										2		
	F	2	1										1			
<b>CLASS V.—CHRONIC POISONING AND INTOXICATION</b>																
<b>Total</b> . . . . .		32			5	2	1				7	11	2			3
	M	26			4	2	1				7	9	1			1
	F	6			1							2	1			2
77. Alcoholism . . . . .	M	20			2	2	1				6	7				1
	F	2									1	1				1
77A. Acute alcoholism . . . . .	M	8			2	1					3	2				
	F	1									1	1				
77B. Chronic alcoholism . . . . .	M	5				1	1				3	3				
77C. Others under this title . . . . .	M	7									3	2				1
	F	1										1				1
78. Lead poisoning . . . . .	M	1										1				
	F	1			1											
78A. Occupational . . . . .	M	1										1				
78B. Non-occupational . . . . .	F	1			1											
79. Chronic poisoning by other mineral and organic substances . . . . .	M	5			2						1	1	1			1
	F	3										1	1			
79A. Occupational . . . . .	M	2			1						1					
79B. Non-occupational . . . . .	M	3			1							1	1			
	F	3										1	1			1
<b>CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS</b>																
<b>Total</b> . . . . .		4799	142	55	77	146	426			7	126	687	1316			1795
	M	2236	75	31	45	83	179			5	59	333	847			560
	F	2563	67	24	32	63	247			2	67	354	469			1235
80. Encephalitis (non-epidemic) . . . . .	M	24	8	2	2	1	1				4	1	4			1
	F	18	3	4	2	1						3				5
80A. Intracranial abscess . . . . .	M	10	3	1	1						2		2			1
	F	5		2	2											1
80B. Others under this title . . . . .	M	14	5	1	1	1	1				2	1	2			
	F	13	3	2	1	1						3				4
81. Meningitis (non-meningococcal) . . . . .	M	34	14	3	1	1	1				6	6	1			
	F	25	14	1	1	2					1	4	1			1
81A. Simple meningitis . . . . .	M	28	13	1	1	1					5	5	1			
	F	24	13	1	1	2					1	4	1			1
81B. Acute cerebrospinal meningitis . . . . .	M	6	1	2			1				1	1				
	F	1														
82. Diseases of the medulla and spinal cord . . . . .	M	70	2	5	5	4	5			1	5	12	18			12
	F	43	1		1	4	5				1	9	7			15
83. Intracranial lesions of vascular origin . . . . .	M	1884	11	1	15	59	162			2	35	282	785			515
	F	2229	4	3	14	48	225			2	43	315	424			1148
83A. Cerebral haemorrhage or effusion . . . . .	M	631	9	1	11	28	47			2	26	131	213			155
	F	808	2	2	9	18	72			2	38	157	141			365
83B. Cerebral embolism and thrombosis . . . . .	M	133			3	9	13				5	20	55			27
	F	122		1		3	15				2	20	20			61
83C. Cerebral softening . . . . .	M	3										1				2
	F	4					1					1	2			
83D. Hemiplegia and other paralysis of unspecified origin . . . . .	M	75	2			1	7					9	34			19
	F	96	2		1	2	12					15	14			50



DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stated	NATIVITY				MONTHS													
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
	5			2			1		1	1		1	1					175
	9	4		1		3	1	1	1	1	3			1	1			2
	1	2						1			1		1		1			76
1	26	4		1	1	2	2	3	3	2		4	3	3	4	3	3	
1	22	2		1	1	1	1	3	1	2		4	3	3	3	2	3	
	4	2				1	1		2						1	1		
1	16	2		1	1	1	1	1	1	2		3	2	2	3	2	2	277
	1	1				1										1		
	7	1							1	1			1	2	2			177A
	1					1												
	3	1		1		1	1	1				3			1			177B
	1	6			1	1	1	1		1			1			2		77C
		1														1		
	1							1										78
	1							1										78A
	1							1										78B
	1								1									
	5							1				1	1	1				179
	2	1							2						1			
	2							1					1					79A
	3											1		1				79B
	2	1							2						1			
22	3605	868	106	199	21	469	413	463	405	403	374	361	339	321	369	383	499	
19	1646	409	44	124	13	215	200	214	202	192	181	168	145	140	170	183	226	
3	1959	459	62	75	8	254	213	249	203	211	193	193	194	181	200	200	273	
	22	2					1	3		3	5	5	3	1	2	1		80
	15	3				1	1	1	1	3	2	1	3	1	3			
	10							2		1	1	4		2				80A
	2	3								1		1	1	1				
	12	2				1	1	1		2	4	1	3	1	1			80B
	13					1	1	1	1	2	2		2	1	2			
1	28	3		2	1	5	4	1	6	3	4	1		1	1	4	4	81
	19	3	1	2		2	1	1		4	1		5	2		6	3	
1	25	2		1	4	4	4	1	4	3	4				1	3	4	81A
	18	3	1	2		2	1	1		4	1		5	1		6	3	
	3	1		2		1			2				1			1		81B
	1													1				
1	51	12	1	6		9	7	3	10	3	8	6	2	5	7	2	8	82
	29	10	2	1	1	2	6	2	3	2	4	4	2	4	3	4	7	
17	1371	357	39	105	12	183	175	192	164	155	147	135	129	114	146	156	188	83
3	1690	409	56	68	6	215	191	223	183	176	171	168	167	157	173	171	234	
8	442	124	14	46	5	64	47	56	51	45	48	63	50	40	49	58	60	83A
2	606	154	18	27	3	82	64	76	70	67	55	59	54	61	64	60	96	
1	92	27	3	10	1	12	5	17	15	13	6	5	11	10	14	13	12	83B
	8	34	2	4		12	6	10	12	7	8	7	9	16	10	8	17	
	3					1				1				1				83C
	4							1		1	1	1						
3	55	17		2	1	11	14	8	6	1	3	4	5	5	5	6	7	83D
	69	20	5	2		7	6	15	7	9	8	5	9	3	6	7	14	

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					Wid-owed
			Un-der 15	15-24	25-44	45-64	65 and over	Age not stat-ed	15-24	25-44	45-64	65 and over	Age not stat-ed	
83E. With mention of arterio-sclerosis . . . . .	M	1042			1	21	95			4	121	483		312
	F	1199			4	25	125			3	122	247		672
84. Mental disorders and defi-ciency (general para-lysis of the insane excepted) . . . . .	M	32	9	1	5	7	3			2	1	2		2
	F	47	10	5	7	3	2			4	4	7		5
84A. Schizophrenia (dementia praecox) . . . . .	M	7			2	2	1			1	1			
	F	11		1	1	1	1			3	1	2		1
84B. Others under this title . . . . .	M	25	9	1	3	5	2			1		2		2
	F	36	10	4	6	2	1			1	3	5		4
85. Epilepsy . . . . .	M	40	7	15	9	4			1		2			2
	F	37	4	11	5	2	1			10		1		3
86. Convulsions (under 5 years of age) . . . . .	M	14	14											
	F	12	12											
87. Other diseases of the ner-vous system . . . . .	M	106	1	2	7	7	6		1	4	19	34		25
	F	127	6		2	2	12			7	18	26		54
87B. Neuritis . . . . .	M	4									2	1		1
	F	2					1					1		
87C. Paralysis agitans . . . . .	M	40			1	3	2				8	15		11
	F	41					2				6	10		23
87D. Disseminated sclerosis . . . . .	M	50			5	3	4			3	6	17		12
	F	73			2	2	8			7	9	15		30
87E. Others under this title . . . . .	M	12	1	2	1	1			1	1	3	1		1
	F	11	6				1				3			1
88. Diseases of organs of vi-sion . . . . .	M	4									2	1		1
	F	4					1					2		1
89. Diseases of the ear and of the mastoid process . . . . .	M	28	9	2	1		1			3	8	2		2
	F	21	13			1	1			1	1	1		3
89A. Otitis and other diseases of the ear . . . . .	M	22	8	1			1			2	7	2		1
	F	14	9				1			1		1		2
89B. Diseases of the mastoid process . . . . .	M	6	1	1	1					1	1			1
	F	7	4			1					1			1
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM														
Total . . . . .		13810	29	54	130	444	1261	7	8	370	2367	3744	4	5316
	M	7660	16	31	94	308	624	6	1	221	1641	2573	4	2072
	F	6150	13	23	36	136	637	1	7	149	726	1171		3244
90-95. Diseases of the heart . . . . .	M	7083	14	29	89	297	553	6	1	217	1605	2370	4	1838
	F	5617	13	23	34	131	571	1	6	136	694	1088		2914
90. Pericarditis (acute rheu-matic excluded) . . . . .	M	6		1						1	3	1		
	F	3	1							1				1
90A. Chronic rheumatic peri-carditis . . . . .	M	1										1		
90B. Others under this title . . . . .	M	5		1						1	3			
	F	3	1							1				1
91. Acute endocarditis (non-rheumatic) . . . . .	M	50	6	4	6		1			14	10	6		3
	F	45	4	5	7	1	1			19	3			5
91A. Bacterial endocarditis (acute, subacute or un-specified) . . . . .	M	38	4	3	5					12	8	5		1
	F	30	3	3	3	1				14	2			4
91B. Other acute or subacute endocarditis . . . . .	M	9	2				1			1	2	1		2
	F	6		1	1		1			1	1			1
91C. Endocarditis (not speci-fied under 45 years) . . . . .	M	3		1	1					1				
	F	9	1	1	3					4				
92. Chronic affections of the valves and endocardium . . . . .	M	565	4	7	18	26	41			38	123	164	1	139
	F	587	2	10	9	19	59		1	44	97	95		251
92A. Specified valvular dis-eases (rheumatic) . . . . .	M	182	2	4	9	12	12			24	43	44		31
	F	225	4	7	4	6	24			31	51	28		74

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
51	779 929	189 201	22 31	47 35	5 3	95 114	109 115	111 121	92 94	95 92	90 99	63 96	63 95	58 77	78 93	79 96	109 107	83E
.....	24 37	8 6	.....	3	1	4 3	3 4	2 3	2 1	1 2	3 1	1 5	1 6	6 6	4 4	1 5	4 7	84
.....	5 8	2 .....	.....	2	1	2 .....	1 .....	2 .....	2 .....	1 .....	.....	1 .....	1 .....	1 .....	.....	.....	1	84A
.....	19 29	6 6	.....	1	.....	2 .....	2 .....	2 .....	2 .....	1 .....	2 .....	1 .....	2 .....	2 .....	1 .....	4 .....	1	84B
.....	36 34	2 2	1 .....	1	.....	4 6	2 4	1 1	5 3	3 7	4 3	5 1	4 1	2 4	1 2	4 1	4	85
.....	14 12	.....	.....	.....	.....	2 2	1 1	2 2	3 .....	3 .....	.....	2 .....	.....	2 .....	1 .....	.....	2	86
.....	75 102	21 22	3 3	7 .....	.....	5 20	7 5	5 13	12 11	18 14	6 8	10 11	4 8	7 6	5 10	12 9	15 12	87
.....	2 1	2 1	.....	.....	.....	.....	.....	.....	1 1	1 1	.....	.....	.....	.....	.....	.....	.....	87B
.....	28 33	8 7	.....	4	.....	3 6	2 2	4 6	4 2	6 2	1 4	4 2	3 2	2 5	1 3	3 5	3 6	87C
.....	40 57	6 14	3 2	1	.....	2 13	3 3	1 6	2 3	4 7	7 9	6 4	1 6	3 3	5 7	6 3	7	87D
.....	5 11	5 .....	.....	2	.....	.....	.....	.....	3 1	4 2	.....	.....	.....	.....	1 2	1 .....	2	87E
.....	4 4	.....	.....	.....	.....	1 .....	.....	.....	.....	1 .....	1 .....	.....	.....	.....	.....	1 .....	.....	88
.....	21 17	4 4	.....	3	.....	2 3	2 1	1 1	2 1	1 3	2 1	4 2	4 .....	2 1	3 2	2 2	3 5	89
.....	16 12	3 2	.....	3	.....	2 .....	1 .....	1 .....	2 1	1 1	1 .....	3 2	4 .....	.....	3 1	2 2	2 4	89A
.....	5 5	1 2	.....	.....	.....	.....	1 .....	.....	.....	.....	1 1	1 .....	.....	2 .....	.....	.....	1	89B
.....	76	9649	2939	358	797	67	1338	1198	1332	1176	1199	1017	940	871	915	1055	1130	1639
69	5230 4419	1676 1263	174 184	522 275	58 9	770 568	688 510	734 598	622 554	638 561	564 453	535 405	496 375	508 407	564 491	631 499	910 729	.....
60	4795 4029	1573 1152	167 167	497 262	51 7	717 523	620 465	661 545	584 508	598 519	526 411	474 362	462 328	462 377	531 455	594 455	854 669	90-95
.....	6 3	.....	.....	.....	.....	.....	1	1	.....	.....	3	.....	.....	1	.....	1	.....	90
.....	1 5 3	.....	.....	.....	.....	.....	.....	1	1	.....	1	2	.....	.....	1	.....	.....	90A 90B
.....	35 40	5 3	1 1	8 1	1	7 4	4 3	5 3	5 .....	2 2	7 1	3 7	3 4	1 6	5 2	4 8	4 5	91
.....	26 27	4 1	.....	7 1	1	6 4	2 1	3 2	4 .....	1 2	6 1	2 4	3 2	1 5	3 2	4 3	3 4	91A
.....	7 5	1 1	1 .....	.....	.....	1 1	1 .....	1 .....	1 .....	.....	1 .....	1 .....	.....	1 .....	2 .....	.....	1	91B
.....	2 8	.....	.....	1	.....	.....	1	1	.....	1	.....	.....	3	1	.....	2	.....	91C
4	411 415	100 131	22 14	27 26	5 1	66 66	49 43	53 66	45 41	65 52	29 54	38 42	36 27	29 29	43 49	45 41	69 77	92
1	137 153	28 52	8 5	7 14	2 1	19 31	15 13	16 29	12 9	20 22	13 25	10 19	17 10	9 8	16 20	11 11	24 28	92A

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Single						Married					Wid-owed
			Under 15	15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over	Age not stated	
92B. Other specified valvular diseases (non-rheumatic).....	M	266	2	3	8	10	17	.....	.....	13	56	80	1	74
	F	257	2	2	4	9	24	.....	1	11	31	48	.....	125
92C. Unspecified valvular lesions and endocarditis.	M	117	.....	.....	1	4	12	.....	.....	1	24	40	.....	34
	F	105	.....	1	1	4	11	.....	.....	2	15	19	.....	52
93. Diseases of the myocardium.....	M	3390	4	13	21	114	335	2	.....	51	480	1211	1	1125
	F	3444	3	4	11	72	382	1	3	41	323	671	.....	1927
93A. Acute myocarditis.....	M	48	1	3	1	2	4	.....	.....	1	7	15	.....	14
	F	38	.....	1	.....	3	4	.....	.....	6	5	7	.....	12
93B. Myocarditis (not specified under 45 years)....	M	13	1	2	5	.....	.....	.....	.....	5	.....	.....	.....	.....
	F	11	.....	2	.....	.....	.....	.....	1	8	.....	.....	.....	.....
93C. Chronic myocarditis and myocardial degeneration (rheumatic).....	M	82	1	2	2	5	6	.....	.....	8	13	26	.....	19
	F	119	.....	.....	.....	3	11	.....	2	4	21	23	.....	55
93D. Chronic myocarditis (non-rheumatic).....	M	2647	1	4	10	90	260	2	.....	32	358	963	.....	898
	F	2748	1	1	8	53	303	1	.....	20	234	546	.....	1575
93E. Other myocarditis (not specified).....	M	600	.....	2	3	17	65	.....	.....	5	102	207	1	194
	F	528	2	2	1	13	64	.....	.....	3	63	95	.....	285
94. Diseases of the coronary arteries and angina pectoris.....	M	2819	.....	1	36	146	157	4	1	102	934	908	2	509
	F	1333	.....	1	3	33	114	.....	1	20	239	282	.....	640
94A. Diseases of the coronary arteries.....	M	2735	.....	1	34	142	155	4	1	99	913	872	2	494
	F	1296	.....	1	3	33	113	.....	1	20	232	276	.....	617
94B. Angina pectoris.....	M	84	.....	.....	2	4	2	.....	.....	3	21	36	.....	15
	F	37	.....	.....	.....	.....	1	.....	.....	.....	7	6	.....	23
95. Other diseases of the heart.....	M	253	.....	3	8	11	19	.....	.....	11	55	80	.....	62
	F	205	3	3	4	6	15	.....	1	11	32	40	.....	90
95A. Functional diseases of the heart (no organic lesion).....	M	20	.....	.....	.....	1	1	.....	.....	.....	2	10	.....	6
	F	25	.....	.....	.....	.....	1	.....	.....	.....	7	7	.....	10
95B. Other diseases of the heart (rheumatic).....	M	48	.....	.....	1	3	1	.....	.....	6	20	9	.....	7
	F	57	.....	1	3	1	6	.....	.....	6	11	9	.....	20
95C. Other diseases of the heart (non-rheumatic).....	M	185	.....	3	7	7	17	.....	.....	5	33	61	.....	49
	F	123	3	2	1	5	8	.....	1	5	14	24	.....	60
96. Aneurysm (heart and aorta excepted).....	M	13	.....	2	.....	.....	1	.....	.....	1	5	3	.....	1
	F	6	.....	.....	.....	.....	1	.....	.....	.....	2	1	.....	2
97. Arteriosclerosis (coronary or renal sclerosis or cerebral haemorrhage excepted).....	M	452	.....	.....	.....	3	63	.....	.....	.....	11	172	.....	199
	F	426	.....	.....	.....	3	58	.....	.....	1	11	69	.....	284
98. Gangrene.....	M	26	1	.....	1	1	1	.....	.....	.....	1	10	.....	11
	F	11	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....	7
99. Other diseases of the arteries.....	M	48	1	.....	1	3	5	.....	.....	.....	10	10	.....	15
	F	45	.....	.....	1	2	5	.....	.....	6	6	6	.....	18
100. Diseases of the veins.....	M	22	.....	.....	2	1	1	.....	.....	2	7	2	.....	6
	F	19	.....	.....	.....	.....	1	.....	.....	1	8	3	.....	6
101. Diseases of the lymphatic system.....	M	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	F	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
102. High blood pressure (idiopathic).....	M	15	.....	.....	1	2	.....	.....	.....	1	2	6	.....	2
	F	25	.....	.....	1	.....	1	.....	1	4	3	3	.....	12
CLASS VIII—DISEASES OF THE RESPIRATORY SYSTEM														
<b>Total.....</b>			2519	558	55	49	81	212	.....	6	95	312	412	727
	M	1399	331	27	29	64	104	.....	1	61	216	286	.....	271
	F	1120	227	28	20	17	108	.....	5	34	96	126	.....	456

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY					MONTHS												
	Canada	Brit- ish	Foreign		Not stat- ed	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
2	189	55	10	9	3	37	27	24	23	33	7	22	9	13	17	27	27	92B
....	183	61	6	7	....	23	22	27	24	26	18	18	12	15	20	20	32	
1	85	17	4	11	....	10	7	13	10	12	9	6	10	5	10	7	18	92C
....	79	18	3	5	....	12	8	10	8	4	11	5	5	6	9	10	17	
33	2284	779	82	225	20	338	311	305	284	284	270	208	198	203	250	274	465	93
6	2497	692	92	158	5	335	293	347	321	319	243	210	213	228	266	267	402	
....	30	12	2	4	....	1	7	6	1	3	7	4	4	2	3	2	8	93A
....	32	4	....	2	....	7	4	3	3	4	1	1	5	2	3	3	2	
....	12	....	1	....	....	....	....	2	....	2	5	2	....	....	2	....	....	93B
....	9	2	....	....	....	2	1	2	1	1	....	2	....	....	1	1	....	
....	61	13	2	6	....	9	10	9	6	6	8	8	4	5	7	5	7	93C
....	75	28	6	10	....	12	5	8	18	13	6	9	9	9	9	11	10	
29	1753	643	61	173	17	278	247	239	235	226	208	159	151	155	195	204	350	93D
6	1970	580	72	121	5	273	236	281	260	243	206	165	167	172	217	214	314	
4	428	111	16	42	3	50	47	49	42	47	44	35	39	41	43	63	100	93E
....	411	78	14	25	....	41	47	53	39	58	30	33	32	45	36	38	76	
19	1881	639	54	222	23	279	232	269	231	232	192	203	208	214	216	250	293	94
....	930	286	48	68	1	105	106	108	125	123	98	87	76	103	119	125	158	
18	1809	631	53	219	23	272	222	260	224	226	189	193	200	211	207	246	285	94A
....	903	280	45	67	1	59	105	107	119	121	92	86	72	101	118	123	153	
1	72	8	1	3	....	7	10	9	7	6	3	10	8	3	9	4	8	94B
....	27	6	3	1	....	6	1	1	6	2	6	1	4	2	1	2	5	
4	178	50	8	15	2	27	23	28	19	15	25	22	17	17	17	20	23	95
....	144	40	12	9	....	13	20	21	21	23	15	16	8	10	18	14	26	
....	14	6	....	....	....	2	5	1	1	1	1	2	2	....	2	1	2	95A
....	17	4	2	2	....	....	1	7	3	2	2	1	....	2	2	2	3	
1	21	19	3	5	....	5	3	5	6	4	3	3	1	6	1	5	6	95B
....	35	19	2	1	....	4	8	4	7	3	5	6	1	2	4	4	9	
3	143	25	5	10	2	20	15	22	12	10	21	17	14	11	14	14	15	95C
....	92	17	8	6	....	9	11	10	11	18	8	9	7	6	12	8	14	
....	10	1	....	2	....	1	1	1	....	....	1	3	2	....	2	1	1	96
....	4	2	....	....	....	1	....	....	....	....	1	....	....	....	2	2	2	
4	350	81	3	13	5	44	54	62	30	30	29	41	28	33	24	30	47	97
....	311	90	14	9	2	38	33	48	36	32	33	33	38	22	31	36	46	
....	22	2	2	....	....	3	1	6	2	1	1	5	....	2	1	3	1	98
....	10	1	....	....	....	1	1	1	2	....	1	....	1	1	1	1	1	
3	32	7	1	7	1	3	9	2	3	4	4	6	2	7	4	1	3	99
....	36	8	....	....	....	1	5	3	6	5	3	5	6	3	1	2	5	
1	15	4	1	1	1	2	1	2	....	4	1	3	2	3	1	1	2	100
....	10	6	1	2	....	4	1	....	2	3	4	2	....	....	....	....	3	
....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	101
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
1	6	7	....	2	....	....	2	....	3	1	2	2	....	1	1	1	2	102
....	18	4	2	1	....	....	5	1	....	1	1	3	2	4	3	3	2	
12	1879	457	44	124	15	314	296	286	204	202	134	112	109	127	171	198	366	
9	1000	268	24	94	13	184	166	161	120	113	69	56	58	79	85	108	200	
3	879	189	20	30	2	130	130	125	84	89	65	56	51	48	86	90	166	

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION												Widowed
			Single						Married						
			Under 15	15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over	Age not stated		
104. Diseases of the nasal fossae and accessory sinuses	M	16	2	1	1	2				4	4	1		1	
	F	11	1		1		2			1	4	1		1	
105. Diseases of the larynx	M	11	9									1		1	
	F	5	2			1						1		1	
106. Bronchitis	M	103	23	2	3	4	8			4	13	20		25	
	F	64	13	3	1	2	3				6	9		27	
106A. Acute	M	26	19							1		4		2	
	F	24	9			1						2		12	
106B. Chronic	M	59	2	1	3	4	5			3	11	11		18	
	F	31	2	3	1	2	2				6	7		8	
106c. Unspecified	M	18	2	1			3				2	5		5	
	F	9	2											7	
107. Broncho pneumonia	M	585	201	10	7	18	45		1	8	59	116		117	
	F	532	134	7	5	5	51			10	36	63		219	
108. Lobar pneumonia	M	355	29	7	10	22	29			30	83	80		61	
	F	223	26	7	8	3	19		1	9	30	26		94	
109. Pneumonia (unspecified)	M	181	59	1	6	10	12			3	19	37		34	
	F	155	46	3	2	3	16		2	3	8	12		60	
110. Pleurisy	M	25	4	3	1	1	1			3	8	2		2	
	F	23	4	3	1	1			1	3	3	1		6	
110A. Empyema	M	20	3	3	1	1	1			3	6	1		1	
	F	9	2	3										2	
110B. Others under this title	M	5	1								2	1		1	
	F	14	2		1	1			1	3	1	1		4	
111. Haemorrhagic infarction, congestion, oedema and thrombosis of the lungs	M	54		1	1	1	3			4	3	19		22	
	F	76		3			14			3	3	10		43	
112A. Haemorrhagic infarction and thrombosis of the lungs	M	10		1	1		1			2	1	3		1	
	F	6		2			1			1		2		2	
112B. Others under this title	M	44				1	2			2	2	16		21	
	F	70		1			13			2	3	8		43	
112. Asthma	M	33	3	1		2	5			2	12	4		4	
	F	21		2	1	1				3	6	3		4	
113. Pulmonary emphysema	M	2		1										1	
114. Other diseases of the respiratory system (tuberculosis excepted)	M	34	1			4	1			3	15	6		3	
	F	10	1		1	2	2		1	2				1	
114A. Silicosis	M	9								1	5	3			
114B. Other and unspecified forms of pneumoconioses	M	1									1				
	F	1									1				
114C. Gangrene of lung	M	1													
114D. Others under this title	M	23	1			4	1			2	8	3		3	
	F	10	1		1	2	2		1	2				1	
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM															
<b>Total</b>			1640	305	44	50	88	62	2	8	134	347	257	337	
	M	972	196	31	39	65	37	1	1	65	216	178		137	
	F	668	109	13	11	23	25	1	7	69	131	79		200	
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils	M	41	20	4	2	1				1	4	4		1	
	F	23	9			1				2	4	2		5	
115A. Diseases of the teeth and gums	M	6		1						1	2	1			
115B. Septic sore throat	M	12	6	2						1	2	1		1	
	F	11	5								3			3	
115c. Diseases of the pharynx and tonsils	M	19	14		2					1		2			
	F	11	3			1				2	1	2		2	
115D. Others under this title	M	4		1		1					1	1			
	F	1	1												
116. Diseases of the oesophagus	M	6	1				2				2			1	
	F	2								1				1	
117. Ulcer of the stomach or duodenum	M	199	1	3	11	22	10	1		13	64	40		30	
	F	65	1	1		2	3		1	7	17	6		27	

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY				Not stat- ed	MONTHS													
	Cana- da	Brit- ish	Foreign			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
			USA	Other															
.....	12	3	.....	1	.....	3	2	2	.....	.....	2	.....	2	1	1	2	1	104	
.....	7	4	.....	.....	.....	1	.....	3	1	.....	1	.....	.....	1	1	.....	2	1	105
.....	9	2	.....	.....	.....	2	.....	2	.....	.....	1	.....	.....	3	.....	.....	.....	.....	106
.....	4	1	.....	.....	.....	2	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	106A
1	80	20	2	1	.....	13	9	9	7	5	7	7	10	9	9	7	11	106	
.....	56	4	2	2	.....	6	9	9	1	7	3	4	2	1	4	8	10	106A	
.....	25	1	.....	.....	.....	4	6	2	4	1	.....	1	3	1	.....	2	2	106A	
.....	21	1	1	1	.....	3	4	4	3	2	2	2	2	.....	.....	5	5	106B	
1	41	15	2	1	.....	7	3	3	3	4	5	4	6	7	5	3	8	106B	
.....	27	2	1	1	.....	3	3	3	3	3	1	2	2	1	3	5	5	106C	
.....	14	4	.....	.....	.....	2	.....	.....	.....	.....	2	.....	1	1	4	2	1	106C	
.....	8	1	.....	.....	.....	.....	2	3	1	.....	.....	.....	.....	.....	.....	.....	.....	107	
3	450	90	9	31	5	88	72	62	44	57	26	19	21	27	33	47	89	107	
.....	413	97	6	14	7	63	62	60	44	34	32	20	24	26	35	40	92	108	
2	215	90	7	36	2	42	50	42	33	31	20	13	9	13	22	23	57	108	
.....	163	46	6	8	.....	34	28	24	19	19	8	10	6	8	16	21	30	109	
.....	143	26	2	10	.....	21	24	20	21	21	7	9	6	12	11	14	28	109	
.....	134	17	2	2	.....	12	17	17	14	14	13	10	8	6	16	8	20	110	
.....	18	5	.....	.....	.....	3	2	2	1	3	1	1	1	3	1	1	3	110	
.....	19	2	1	1	.....	1	1	3	1	6	2	2	1	2	2	4	1	110A	
.....	15	3	.....	.....	.....	3	2	2	1	3	1	1	1	2	1	1	2	110A	
.....	8	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	110B	
.....	3	2	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	1	.....	.....	.....	110B	
.....	11	2	1	.....	.....	1	2	1	.....	4	1	.....	.....	.....	2	2	.....	110B	
.....	29	19	2	4	.....	6	3	5	5	4	3	4	6	5	4	6	3	111	
.....	61	12	2	1	.....	10	10	9	4	4	3	6	4	4	7	5	10	111	
.....	6	2	.....	2	.....	1	.....	.....	1	.....	3	2	.....	1	1	.....	1	111A	
.....	23	17	2	2	.....	5	3	5	4	4	1	2	6	4	3	6	2	111B	
.....	55	12	2	1	.....	10	9	8	4	4	2	6	4	4	6	4	9	112	
.....	21	9	.....	3	.....	2	2	5	3	2	1	1	1	5	2	3	6	112	
1	15	4	.....	2	.....	2	.....	.....	.....	2	1	2	5	.....	4	4	1	113	
.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	113	
1	21	4	2	6	1	4	2	7	4	3	2	1	2	1	2	5	1	114	
.....	7	2	1	.....	.....	1	.....	1	1	1	1	2	1	2	1	.....	.....	114A	
.....	5	1	.....	3	.....	.....	1	2	1	2	1	.....	.....	1	1	.....	.....	114A	
.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	114B	
1	15	2	2	3	1	4	1	4	3	1	1	1	2	1	3	1	1	114C	
.....	7	2	1	.....	.....	1	.....	1	.....	1	1	2	1	2	1	.....	.....	114D	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
6	1205	305	30	93	7	142	134	136	120	136	142	137	145	124	161	115	148	.....	
6	714	175	16	60	7	84	84	88	65	80	78	73	94	73	92	71	90	.....	
.....	491	130	14	33	.....	58	50	48	55	56	64	64	51	51	69	44	58	.....	
.....	39	1	.....	1	.....	2	7	4	1	3	3	3	6	4	1	3	4	.....	
.....	20	2	1	.....	.....	1	2	.....	5	1	4	1	1	3	2	2	1	115	
.....	6	.....	.....	.....	.....	.....	.....	2	.....	.....	1	1	2	.....	.....	.....	.....	115A	
.....	11	1	.....	.....	.....	1	4	1	.....	1	1	.....	2	1	.....	.....	1	115B	
.....	10	.....	1	.....	.....	1	2	.....	1	.....	3	.....	1	2	.....	1	.....	115B	
.....	19	.....	.....	.....	.....	1	2	1	1	2	1	2	2	3	1	2	1	115C	
.....	9	2	.....	.....	.....	.....	.....	3	1	1	1	1	1	1	2	1	1	115D	
.....	3	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	2	115D	
.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	115D	
.....	5	1	.....	.....	.....	.....	.....	1	.....	2	1	.....	.....	.....	.....	.....	2	116	
.....	1	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	116	
4	136	43	4	13	3	21	20	25	17	13	14	13	19	11	14	13	19	117	
.....	43	17	3	2	.....	7	1	5	6	5	4	4	5	4	10	7	7	117	

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION											
			Un- der 15	Single					Married					Wid- owed
				15-24	25-44	45-64	65 and over	Age not stat- ed	15-24	25-44	45-64	65 and over	Age not stat- ed	
117A. Stomach.....	M	86	1	2	2	10	6				6	27	18	13
	F	41	1	1	1	1	1			1	5	9	3	19
117B. Duodenum.....	M	113		1	9	12	4	1			7	37	22	17
	F	24				1	2				2	8	3	8
118. Other diseases of the stomach.....	M	21	2			1	3					6	4	4
	F	13	3									2	1	7
119. Diarrhoea and enteritis (under 2 years of age).	M	126	126											
	F	73	73											
119A. Diarrhoea and enteritis	M	126	126											
	F	73	73											
120. Diarrhoea and enteritis (2 years of age and over).....	M	32	3	1	3	2	1				3	10	4	5
	F	31	2	2	1	1	3				8	3	3	8
120A. Diarrhoea and enteritis	M	20	3	1	3						2	4	3	4
	F	19	2	1	1	1	2				1	2	1	8
120B. Ulceration of the intes- tines.....	M	12				2	1				1	6	1	1
	F	12		1			1				7	2	1	
121. Appendicitis.....	M	126	22	13	9	9	1				17	27	16	12
	F	73	14	7	1	2	1		3		15	13	4	13
122. Hernia, intestinal ob- struction.....	M	189	14	4	7	10	9				10	38	59	37
	F	151	6	2	2	9	7	1			16	22	25	61
122A. Hernia.....	M	99			2	6	6				3	22	30	30
	F	60			1	3	2	1			3	12	10	31
122B. Intestinal obstruction.	M	90	14	4	5	4	3				7	16	29	7
	F	91	6	2	1	9	5				13	10	15	30
123. Other diseases of the in- testines.....	M	29		1	1	5	2				2	10	6	2
	F	24				2	4				1	7	5	5
124. Cirrhosis of the liver...	M	98			4	9	5				4	33	19	24
	F	53			1	1	2				3	15	9	22
124A. With mention of alco- holism.....	M	10				1					1	3	1	4
	F	1												1
124B. Without mention of alcoholism.....	M	88			4	8	5				3	30	18	20
	F	52			1	1	2				3	15	9	21
125. Other diseases of the liver.....	M	20	3	2	2	1	1				3	5	2	1
	F	13	1		1	3					2	3	1	3
125A. Acute yellow atrophy..	M	6		2	1		1				1		1	
	F	2										1		1
125B. Others under this title.	M	14	3		1	1					2	5	1	1
	F	11			1	3					2	2	1	2
126. Biliary calculi.....	M	32				3	1				2	8	8	10
	F	68			3	1	2				8	25	9	20
127. Other diseases of the gall- bladder and bile ducts.	M	30	1			1	1				3	5	12	7
	F	57				1	2			1	4	14	13	22
128. Diseases of the pancreas	M	12	1	1			1				4	2	1	2
	F	8					1				1	1	1	4
129. Peritonitis without stat- ed cause.....	M	11	2	2		1						2	3	1
	F	14	1	1	2				2		1	5		2
CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS														
<b>Total</b> .....		2559	43	30	31	72	215	1	11	114	424	767		845
	M	1566	25	17	23	48	127	1	1	48	251	582		437
	F	993	18	13	8	24	88		10	66	173	185		408
130. Acute nephritis.....	M	35	13	1	4	1				4	5	5		2
	F	19	8				1				5	2		2
131. Chronic nephritis.....	M	972	7	13	14	34	75	1	1	32	173	341		276
	F	803	8	8	4	19	74		5	42	141	155		347
132. Nephritis unspecified (over 10 years of age).	M	76		2	2	3	6			6	12	20		25
	F	54		1	3	2	8			3	4	9		24
133. Other diseases of the kid- neys and ureters.....	M	56	5	1		3	4			2	10	19		12
	F	47	2	2	1		2			4	6	7		23



DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY					MONTHS													
	Canada	Brit- ish	Foreign		Not stat- ed	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
			USA	Other															
1	63	16	1	5	1	9	10	10	5	5	8	3	11	6	6	2	11	117A	
...	27	11	3	...	...	5	5	3	2	3	4	3	3	3	5	7	3	...	
3	73	27	3	8	2	12	10	15	12	8	6	10	8	5	8	11	8	117B	
...	16	6	...	2	...	2	1	2	4	2	...	1	2	1	5	...	4	...	
1	12	6	1	1	1	2	3	2	1	4	1	2	...	1	2	1	2	118	
...	6	6	1	...	...	2	...	...	2	...	...	1	2	2	1	1	2	...	
...	126	...	...	...	...	10	8	7	5	10	9	14	12	19	18	4	10	119	
...	73	...	...	...	...	3	4	2	3	5	9	7	9	9	12	5	5	...	
...	126	...	...	...	...	10	8	7	5	10	9	14	12	19	18	4	10	119A	
...	73	...	...	...	...	3	4	2	3	5	9	7	9	9	12	5	5	...	
...	20	9	1	2	...	2	1	3	2	1	3	2	6	3	3	4	4	120	
...	24	6	...	1	...	2	3	3	2	2	2	2	2	2	7	3	1	...	
...	15	5	...	...	...	1	...	1	...	2	2	2	5	3	1	3	2	120A	
...	15	4	...	...	...	2	...	...	1	2	1	2	1	2	4	3	1	...	
...	5	4	1	2	...	1	1	...	2	1	1	...	1	...	2	1	2	120B	
...	9	2	...	1	...	...	3	3	1	1	...	1	...	2	...	...	...	...	
...	95	17	3	11	...	13	9	10	11	10	12	10	8	12	11	8	121	...	
...	55	16	1	1	...	11	3	6	4	5	11	8	4	4	4	5	8	121	
...	1	127	45	4	11	2	13	11	19	13	19	17	8	17	17	18	18	122	
...	111	35	1	4	...	10	17	15	13	19	11	12	9	8	13	9	15	...	
...	63	26	3	7	...	9	8	10	3	11	7	1	11	9	9	10	9	122A	
...	40	18	1	1	...	6	6	3	5	8	1	1	4	4	3	5	8	...	
...	1	64	19	1	4	2	4	3	9	8	8	10	7	6	8	9	8	122B	
...	71	17	...	3	...	4	11	12	8	11	10	5	5	4	10	4	7	...	
...	17	11	...	1	...	5	3	3	2	1	5	2	3	...	1	3	1	123	
...	12	8	1	3	...	2	2	1	4	2	5	1	1	2	...	1	3	...	
...	59	24	2	12	1	11	12	7	6	7	6	8	10	5	9	6	11	124	
...	40	7	3	3	...	3	8	4	4	6	6	6	3	2	3	2	6	...	
...	2	2	1	5	...	1	1	1	...	...	2	...	2	...	...	2	1	124A	
...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	
...	57	22	1	7	1	10	11	6	6	7	4	8	8	5	9	4	10	124B	
...	39	7	3	3	...	2	8	4	4	6	6	6	3	2	3	2	6	...	
...	15	2	...	3	...	1	3	3	1	2	1	2	...	...	4	2	1	125	
...	9	3	...	1	...	2	1	1	...	...	2	2	2	2	1	2	...	...	
...	4	1	...	1	...	...	...	1	1	...	...	1	...	2	1	...	...	125A	
...	1	1	...	...	...	1	1	...	1	...	...	1	...	2	1	...	...	...	
...	11	1	...	2	...	1	3	2	...	2	1	1	...	2	1	1	1	125B	
...	8	2	...	1	...	2	1	1	...	...	...	2	2	2	1	1	...	...	
...	24	5	...	3	...	2	3	3	1	3	2	4	3	1	4	2	4	126	
...	44	17	2	5	...	7	4	7	6	6	8	10	7	...	7	4	2	...	
...	22	7	...	1	...	...	3	2	3	3	3	3	3	2	3	2	3	127	
...	36	11	1	9	...	5	3	1	4	4	3	7	6	12	8	1	3	...	
...	9	2	1	...	...	...	...	2	2	2	1	...	2	1	1	1	2	128	
...	7	...	...	1	...	1	...	...	...	...	2	...	1	...	1	1	3	...	
...	8	2	...	1	...	2	1	1	...	...	2	1	1	1	2	1	...	129	
...	10	2	...	2	...	2	2	2	2	1	1	...	...	1	1	1	1	129	
...	6	1906	453	60	135	5	244	192	234	238	231	188	180	183	186	215	220	248	
...	6	1153	296	33	79	5	153	103	154	128	138	117	115	119	117	137	131	154	
...	...	753	157	27	56	...	91	89	80	110	93	71	65	64	69	78	89	94	
...	29	5	...	1	...	3	2	3	...	1	4	2	3	5	5	5	5	130	
...	18	...	1	...	...	1	2	2	1	1	2	1	...	6	...	1	2	...	
...	5	733	169	24	44	2	100	70	99	77	90	61	75	61	66	87	89	97	131
...	605	130	23	45	...	73	71	69	93	83	48	54	48	55	67	68	74	...	...
...	59	10	2	5	...	8	4	4	9	7	4	3	7	6	8	2	14	132	...
...	45	4	3	2	...	4	7	1	3	2	5	6	6	3	3	5	9	...	...
...	39	14	...	3	...	1	4	...	6	8	8	6	7	6	3	3	4	133	...
...	36	6	...	5	...	5	3	3	6	5	5	2	7	2	2	3	4	...	...

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION													
			Single						Married						Wid-owed	
			Un-der 15	15-24	25-44	45-64	65 and over	Age not stat-ed	15-24	25-44	45-64	65 and over	Age not stat-ed			
134. Calculi of the urinary passages.	M	48			3	1						2	14	15		13
	F	14				1						3	3	5		2
135. Diseases of the urinary bladder.	M	24						2					3	11		8
	F	8						3					1	2		2
136. Diseases of the urethra, urinary abscess, etc.	M	12				1						1	3	2		5
	F	1												1		
136A. Stricture of the urethra	M	9				1							2	1		5
136B. Others under this title	M	3										1	1	1		
	F	1												1		
137. Diseases of the prostate.	M	339				5	40					1	30	167		95
138. Diseases of the male genital organs (non-venereal).	M	4												1	2	1
139. Diseases of the female genital organs (non-venereal).	F	47		1		2					5	14	13	4		8
139A. Ovaries, Fallopian tubes and parametria.	F	25				1					5	10	5	1		3
139B. Uterus.	F	18				1						4	6	3		4
139C. Others under this title	F	4		1									2			1
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH, AND THE PUERPERAL STATE																
Total		189	1	11	5						32	139				1
140. Abortion with mention of infection	F	22		4	1						1	15			1	
140A. Spontaneous, therapeutic or unspecified.	F	10		1							1	8				
140B. Self-induced.	F	11		2	1							7			1	
140C. Non-therapeutic.	F	1		1												
141. Abortion without mention of infection.	F	11		1							2	8				
141A. Spontaneous, therapeutic or unspecified.	F	10		1							2	7				
141C. Non-therapeutic.	F	1										1				
142. Ectopic gestation	F	14			2						1	11				
142A. With mention of infection.	F	6			2							4				
142B. Without mention of infection.	F	8									1	7				
143. Haemorrhage of pregnancy.	F	1									1					
143A. Placenta praevia.	F	1									1					
144. Toxaemias of pregnancy death prior to delivery.	F	14		1							1	12				
145. Other diseases and accidents of pregnancy—death prior to delivery.	F	4										4				
146. Haemorrhage of childbirth and the puerperium.	F	24	1								3	20				
146A. Placenta praevia.	F	11									1	10				
146B. Premature separation of placenta.	F	2									1	1				
146C. Others under this title.	F	11	1								1	9				
147. Infection during childbirth and the puerperium.	F	43		3	1						13	26				
148. Puerperal toxaemias—following delivery.	F	27									3	24				
148A. Puerperal eclampsia.	F	18									2	16				
148B. Puerperal albuminuria and nephritis.	F	4										4				
148C. Acute yellow atrophy of liver.	F	1										1				
148D. Others under this title.	F	4									1	3				
149. Other accidents of childbirth.	F	18		2	1						3	12				
149A. Laceration, rupture or other trauma of pelvic organs and tissues.	F	2										2				
149B. Other conditions of childbirth.	F	16		2	1						3	10				

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stated	NATIVITY				MONTHS													
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.		Dec.
			USA	Other														
.....	31	12	1	4	.....	6	2	4	4	2	3	3	3	6	7	5	3	134
.....	9	5	.....	.....	.....	2	1	.....	3	1	2	.....	.....	1	1	2	1	134
.....	14	7	1	2	.....	4	.....	1	1	2	1	3	5	2	3	1	1	135
.....	5	3	.....	.....	.....	4	1	.....	.....	.....	.....	.....	.....	1	2	2	.....	135
.....	11	1	.....	.....	.....	1	.....	.....	1	2	1	1	1	3	1	.....	.....	136
.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	136
.....	1	1	.....	.....	.....	1	.....	.....	1	1	1	1	1	2	1	.....	.....	136A
.....	3	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	136B
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	136B
.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	137
.....	234	77	5	20	3	30	21	43	30	26	34	22	32	22	21	26	32	137
.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	2	.....	.....	138
.....	34	9	.....	4	.....	2	4	5	4	1	9	2	3	1	5	8	3	139
.....	20	4	.....	1	.....	1	4	2	4	1	4	1	1	.....	2	3	2	139A
.....	10	5	.....	3	.....	1	.....	3	.....	.....	4	1	1	1	2	4	1	139B
.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	1	1	.....	.....	139C
.....	156	18	3	11	1	22	15	17	18	21	15	17	14	11	9	9	21	.....
.....	16	4	.....	1	1	3	1	2	1	1	1	3	4	2	2	1	1	140
.....	10	.....	.....	.....	.....	2	1	1	.....	.....	.....	.....	2	1	1	1	.....	140A
.....	5	4	.....	1	1	1	.....	1	1	1	1	3	2	.....	1	.....	.....	140B
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	140C
.....	8	.....	1	2	.....	1	1	.....	2	1	3	.....	.....	1	.....	.....	.....	141
.....	8	.....	1	1	.....	1	1	.....	1	1	3	.....	.....	1	.....	.....	.....	141A
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	141C
.....	11	.....	3	.....	.....	2	1	2	1	2	1	2	.....	2	.....	1	.....	142
.....	6	.....	.....	.....	.....	1	.....	1	.....	1	1	1	.....	1	.....	.....	.....	142A
.....	5	.....	3	.....	.....	1	1	1	1	1	.....	1	.....	1	.....	1	.....	142B
.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	143
.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	143A
.....	13	1	.....	.....	.....	2	2	2	1	1	.....	.....	2	2	.....	.....	2	144
.....	4	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	.....	.....	.....	.....	.....	145
.....	20	2	.....	2	.....	.....	5	.....	1	3	3	3	3	1	1	.....	.....	4 146
.....	9	1	.....	1	.....	.....	2	.....	1	2	2	.....	1	1	.....	.....	.....	2 146A
.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1 146B
.....	9	1	.....	1	.....	.....	3	.....	.....	1	1	3	1	.....	1	.....	.....	1 146C
.....	34	6	1	2	.....	6	2	2	7	3	2	5	4	2	3	3	4	147
.....	24	2	1	.....	.....	2	.....	6	2	3	1	3	.....	1	2	2	5	148
.....	16	1	1	.....	.....	2	.....	5	2	.....	1	3	.....	1	1	1	3	148A
.....	4	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	1	.....	148B
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	148C
.....	4	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	2 148D
.....	14	3	.....	1	.....	3	2	3	2	3	3	.....	.....	.....	1	1	.....	149
.....	2	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	149A
.....	12	3	.....	1	.....	3	1	3	1	3	3	.....	.....	.....	1	1	.....	149B

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION													
			Single					Married								
			Under 15	15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over	Age not stated	Widowed		
150. Other and unspecified conditions of childbirth and the puerperal state	F	11									4	7				
150B. Psychosis of the puerperal state	F	1									1					
150C. Others under this title	F	10									3	7				
<b>CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE</b>																
<b>Total</b>		41	7	1	2	1	3				4	7	6			10
	M	32	6	1	2	1	2				3	5	4			8
	F	9	1				1				1	2	2			2
151. Carbuncle and furuncle	M	5	2		1							2				
	F	2										1				1
152. Phlegmon and acute abscesses	M	13	1	1	1	1	1					2	3			3
	F	5	1				1						2			1
153. Other diseases of the skin and cellular tissue	M	14	3				1				3	1	1			5
	F	2									1	1				
<b>CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT</b>																
<b>Total</b>		38	5	3	1	3					5	6	8			6
	M	22	2	1	1	3					3	3	5			3
	F	16	3	2							2	3	3			3
154. Osteomyelitis and periostitis	M	10	1	1		1					1	2	3			1
	F	5	2									2				1
155. Other diseases of the bones (tuberculosis excepted)	M	5									1	1	1			1
	F	5											3			2
156. Diseases of the joints and other organs of movement	M	7	1		1	2					1		1			1
	F	6	1	2							2	1				
156A. Diseases of the joints (tuberculosis and rheumatism excepted)	M	1	1													
156B. Others under this title	M	6			1	2					1		1			1
	F	6	1	2							2	1				
<b>CLASS XIV.—CONGENITAL MALFORMATIONS</b>																
<b>Total</b>		680	648	12	7	3				1	6	2				1
	M	353	336	7	4	2					3	1				
	F	327	312	5	3	1				1	3	1				1
157. Congenital malformations	M	353	336	7	4	2					3	1				
	F	327	312	5	3	1				1	3	1				1
157A. Congenital hydrocephalus	M	63	61	1	1											
	F	77	76			1										
157B. Spina bifida and meningocele	M	53	52		1											
	F	73	73													
157C. Anencephalus	M	7	7													
	F	12	12													
157D. Congenital malformations of the heart	M	132	123	4	2	1					1	1				
	F	81	75	1	2					1	2					
157E. Others under this title	M	98	93	2		1					2					
	F	84	76	4	1						1	1				1

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY				Not stat- ed	MONTHS													
	Can- ada	Brit- ish	Foreign			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
			USA	Other															
.....	11	.....	.....	.....	.....	2	1	.....	.....	3	.....	.....	1	.....	.....	1	3	150	
.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150B	
.....	10	.....	.....	.....	.....	1	1	.....	.....	3	.....	.....	1	.....	.....	.....	1	3	150c
.....	27	11	.....	3	.....	6	5	2	6	3	2	3	5	1	1	4	3		
.....	24	7	.....	1	.....	6	4	1	4	3	1	3	2	1	1	3	3		
.....	3	4	.....	2	.....	.....	1	1	2	.....	1	.....	3	.....	.....	1	.....		
.....	4	1	.....	.....	.....	.....	.....	1	1	.....	.....	.....	1	1	.....	1	.....	151	
.....	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	1	
.....	9	3	.....	1	.....	3	1	.....	1	2	.....	2	.....	.....	1	2	1	152	
.....	3	2	.....	.....	.....	.....	1	.....	2	.....	1	.....	1	.....	.....	.....	.....	.....	
.....	11	3	.....	1	.....	3	3	.....	2	1	1	1	1	.....	.....	.....	2	153	
.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	
.....	1	25	8	4	1	.....	7	2	4	2	.....	3	6	5	3	1	.....	5	
.....	1	12	6	3	1	.....	4	1	2	2	.....	3	3	4	1	.....	.....	2	
.....	13	2	1	.....	.....	3	1	2	.....	.....	.....	3	1	2	1	.....	.....	3	
.....	5	4	1	.....	.....	2	.....	1	.....	.....	2	1	2	1	.....	.....	.....	1	
.....	5	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	
.....	1	3	1	.....	1	.....	1	1	.....	.....	1	1	1	.....	.....	.....	.....	155	
.....	4	1	.....	.....	.....	.....	1	.....	1	.....	.....	2	.....	.....	1	.....	.....	.....	
.....	4	1	2	.....	.....	1	.....	1	2	.....	.....	1	1	.....	.....	.....	.....	1	
.....	4	1	1	.....	.....	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	2	
.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
.....	3	1	2	.....	.....	1	.....	1	2	.....	.....	1	1	.....	.....	.....	.....	1	
.....	4	1	1	.....	.....	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	2	
.....	675	2	1	2	.....	65	58	51	55	53	53	52	55	60	60	56	62		
.....	351	1	.....	1	.....	34	29	28	28	31	26	22	27	30	41	27	30		
.....	324	1	1	.....	.....	31	29	23	27	22	27	30	28	30	19	29	32		
.....	351	1	.....	1	.....	34	29	28	28	31	26	22	27	30	41	27	30	157	
.....	324	1	1	.....	.....	31	29	23	27	22	27	30	28	30	19	29	32		
.....	63	.....	.....	.....	.....	5	5	2	6	7	6	4	6	4	3	8	7	157A	
.....	77	.....	.....	.....	.....	8	10	3	8	4	7	7	6	8	4	5	7		
.....	53	.....	.....	.....	.....	7	4	6	3	8	3	2	3	3	6	3	5	157B	
.....	73	.....	.....	.....	.....	6	3	6	5	6	9	5	9	6	3	8	7		
.....	7	.....	.....	.....	.....	1	1	.....	2	.....	1	.....	1	.....	1	.....	.....	157C	
.....	12	.....	.....	.....	.....	.....	.....	2	.....	1	.....	3	2	.....	2	1	1		
.....	132	.....	.....	.....	.....	10	11	9	9	8	6	12	14	14	18	10	11	157D	
.....	80	1	.....	.....	.....	10	4	5	10	4	7	8	6	9	4	7	7		
.....	96	1	.....	1	.....	11	8	11	8	8	10	4	3	9	13	6	7	157E	
.....	82	.....	1	1	.....	7	12	7	4	7	4	7	5	7	6	8	10		

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION										Wid-owed	
			Under 15	Single					Married					
				15-24	25-44	45-64	65 and over	Age not stated	15-24	25-44	45-64	65 and over		Age not stated
CLASS XV.—DISEASES PECULIAR TO THE FIRST YEAR OF LIFE														
<b>Total</b> .....		1719	1719											
	M	989	989											
	F	730	730											
158. Congenital debility.....	M	38	38											
	F	29	29											
159. Premature birth.....	M	587	587											
	F	465	465											
160. Injury at birth.....	M	226	226											
	F	133	133											
160A. Intracranial or spinal haemorrhage.....	M	96	96											
	F	54	54											
160B. Other intracranial or spinal injuries.....	M	9	9											
	F	7	7											
160c. Others under this title.	M	121	121											
	F	72	72											
161. Other diseases peculiar to the first year of life.	M	138	138											
	F	103	103											
161A. Asphyxia (unspecified), atelectasis.....	M	61	61											
	F	45	45											
161B. Infection of the umbilicus, pemphigus and other infections.....	M	20	20											
	F	10	10											
161c. Other specified diseases peculiar to the first year of life.....	M	57	57											
	F	48	48											
CLASS XVI.—SENILITY														
<b>Total</b> .....		441				54						105		282
	M	193				21						70		102
	F	248				33						35		180
162. Senility.....	M	193				21						70		102
	F	248				33						35		180
162A. With dementia.....	M	22				2						8		12
	F	24				1						7		16
162B. Without dementia.....	M	171				19						62		90
	F	224				32						28		164
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS														
<b>Total</b> .....		2912	484	337	160	108	139	7	45	354	381	288	2	569
	M	1955	323	310	138	88	52	7	34	271	282	204	2	210
	F	957	161	27	22	20	87		11	83	99	84		359
163-164. Suicides.....	M	213	1	17	30	16	5		2	39	59	18		24
	F	103		4	8	6	2		3	34	27	3		15
163. Suicide by poisoning.....	M	43		4	5	3	1			11	12	3		4
	F	42		2	2	2			2	17	10			6
163A. By corrosivesubstances, solid and liquid poisonings.....	M	21		2	1	2	1			3	7	3		2
	F	28		2	2	1			2	11	7			3
163B. By poisonous gas.....	M	22		2	4	1				8	5			2
	F	14				1				6	3			3
164. Suicide by other means.	M	170	1	13	25	13	4		2	28	47	15		20
	F	61		2	6	4	2		1	17	17	3		9
164A. By hanging or strangulation.....	M	63	1	4	9	5			1	9	22	5		6
	F	12			1	1				2	4	1		3
164B. By drowning.....	M	16		1	1	4				3	4			3
	F	23		1	1	3	1		1	5	6	2		3

DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stated	NATIVITY					MONTHS												
	Canada	British	Foreign		Not stated	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
.....	1719	.....	.....	.....	.....	138	124	157	134	153	152	191	133	132	114	130	161	
.....	989	.....	.....	.....	.....	81	70	85	61	109	91	99	84	71	64	75	99	
.....	730	.....	.....	.....	.....	57	54	72	73	44	61	92	49	61	50	55	62	
.....	38	.....	.....	.....	.....	5	7	2	1	3	3	3	.....	7	1	4	2158	
.....	29	.....	.....	.....	.....	8	2	1	1	1	4	4	.....	1	1	2	4	
.....	587	.....	.....	.....	.....	50	42	47	32	70	50	61	55	39	39	38	64159	
.....	465	.....	.....	.....	.....	35	28	40	51	25	33	66	31	39	37	39	41	
.....	226	.....	.....	.....	.....	16	12	23	21	21	27	20	22	16	10	20	18160	
.....	133	.....	.....	.....	.....	9	16	19	13	11	13	12	9	12	6	5	8	
.....	96	.....	.....	.....	.....	7	5	13	9	9	10	9	8	8	4	8	6160A	
.....	54	.....	.....	.....	.....	3	7	5	6	4	5	4	5	4	3	4	4	
.....	9	.....	.....	.....	.....	.....	.....	.....	1	1	3	.....	.....	1	1	1	160B	
.....	7	.....	.....	.....	.....	.....	1	1	.....	2	.....	.....	.....	2	1	.....	.....	
.....	121	.....	.....	.....	.....	9	7	10	11	11	14	11	14	7	5	11	1160C	
.....	72	.....	.....	.....	.....	6	8	13	7	5	8	8	4	6	2	1	4	
.....	138	.....	.....	.....	.....	10	9	13	7	15	11	15	7	9	14	13	15161	
.....	103	.....	.....	.....	.....	5	8	12	8	7	11	10	8	10	6	9	9	
.....	61	.....	.....	.....	.....	4	5	4	2	8	7	6	5	3	6	6	5161A	
.....	45	.....	.....	.....	.....	1	1	5	2	2	7	4	3	4	5	6	5	
.....	20	.....	.....	.....	.....	2	.....	3	1	.....	.....	2	1	2	4	2	3161B	
.....	10	.....	.....	.....	.....	1	.....	4	1	2	1	.....	.....	.....	1	.....	.....	
.....	57	.....	.....	.....	.....	4	4	6	4	7	4	7	1	4	4	5	7161C	
.....	48	.....	.....	.....	.....	3	7	3	5	3	3	6	5	6	1	2	4	
.....	327	85	9	18	2	43	38	48	25	39	38	23	29	38	43	27	50	
.....	140	38	5	9	1	16	18	21	13	20	11	8	11	16	16	12	31	
.....	187	47	4	9	1	27	20	27	12	19	27	15	18	22	27	15	19	
.....	140	38	5	9	1	16	18	21	13	20	11	8	11	16	16	12	3162	
.....	187	47	4	9	1	27	20	27	12	19	27	15	18	22	27	15	19	
.....	14	4	1	3	.....	1	1	5	3	1	.....	2	2	2	2	2	162A	
.....	14	9	.....	1	.....	3	1	2	.....	4	.....	1	1	5	4	.....	1	
.....	126	34	4	6	1	15	17	16	10	19	11	6	9	14	14	10	30162B	
.....	173	38	4	8	1	24	19	25	10	19	23	14	17	17	23	15	18	
.....	38	2139	448	77	183	65	216	196	194	190	256	319	300	263	234	240	249	255
.....	34	1408	275	61	157	54	129	127	121	127	163	228	208	187	155	163	170	177
.....	4	731	173	16	26	11	87	69	73	63	93	91	92	76	79	77	79	78
.....	2	137	34	4	34	4	26	17	17	14	18	27	22	19	14	17	6	16163-164
.....	1	62	25	6	8	2	11	8	7	3	12	9	11	3	8	13	9	9
.....	1	26	14	.....	3	.....	2	4	4	1	4	5	4	6	2	6	.....	5163
.....	1	20	12	5	3	2	3	3	.....	1	5	4	4	1	6	5	5	5
.....	13	5	.....	3	.....	.....	1	2	1	2	3	2	4	1	2	.....	3163A	
.....	14	6	4	3	1	.....	1	.....	1	2	3	3	1	6	3	3	5	
.....	13	9	.....	.....	.....	2	3	2	.....	2	2	2	2	1	4	.....	2163B	
.....	1	6	1	.....	1	3	2	.....	.....	3	1	1	.....	2	2	.....	.....	
.....	2	111	20	4	31	4	24	13	13	13	14	22	18	13	12	11	6	11164
.....	42	13	1	5	.....	.....	8	5	7	2	7	5	7	2	2	8	4	4
.....	1	33	7	3	18	2	5	7	4	4	6	9	4	5	4	5	3	7164A
.....	7	4	1	.....	.....	.....	3	1	1	.....	3	.....	2	1	.....	1	.....	
.....	13	2	.....	1	.....	.....	1	1	1	3	2	1	1	2	1	1	1	164B
.....	17	3	.....	3	.....	.....	2	1	.....	1	2	4	1	1	4	1	2	2

TABLE 36—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CON

CAUSES OF DEATH	Sex	Total	CONJUGAL CONDITION												
			Single						Married						Wid- owed
			Under 15	15-24	25-44	45-64	65 and over	Age not stat- ed	15-24	25-44	45-64	65 and over	Age not stat- ed		
164C. By firearms or explosives.....	M	54		5	9	2	1				10	14	7		6
	F	10			1						4	4			1
164D. By cutting or piercing instruments.....	M	20		1		1	3				4	3	3		4
	F	7			1						5	1			
164E. By jumping from high places.....	M	7		1	3							3			
	F	7		1	2						1	2			1
164F. By crushing.....	M	7		1	1	1				1	2				1
	F	1					1								
164G. By other or unspecified means.....	M	3			2							1			
	F	1													1
166-168. Homicides.....	M	24	11		2	1	1				4		1		2
	F	20	6	1	1	1				1	6	1			2
166. Homicide by firearms.....	M	2									2				
	F	5									2	1			2
167. Homicide by cutting or piercing instruments.....	M	1			1										
	F	2									1				
168. Homicide by other or unspecified means.....	M	21	11		1	1	1				2		1		2
	F	13	6	1	1	1				1	3				
169-195. Accidental deaths.....	M	1716	311	292	105	71	46	7		32	228	223	185	2	184
	F	834	155	22	13	13	85			7	43	71	81		342
169. Railway accidents (excluding motor vehicles)	M	71	1	7	9	1	1	1			17	20	4		6
	F	7	3	1	1						1	1			
170. Motor vehicle accidents.....	M	422	88	70	24	19	11	2		5	62	63	35	1	36
	F	141	44	10	7	5	5			4	16	24	8		17
170A. Collisions with trains.....	M	26	1	6	3	1				1	4	6	1		3
	F	12	1	1	3	1	1				2	2			1
170B. Collisions with street-cars.....	M	7		1	1	2					2	1			
	F	4	1			1					1	1			
170C. Automobile accidents (excluding trains or street-cars).....	M	381	87	61	19	16	10	2		3	54	55	34	1	33
	F	124	42	9	4	3	3			4	13	21	8		16
170D. Motorcycle accidents (excluding automobiles)	M	8		2	1		1			1	2	1			
	F	1					1								
171. Street-car and other road transport accidents.....	M	33	5	2	1	2	2				3	4	5		7
	F	12	2		1		1				1	2	1		4
171A. Street-car accidents (excluding trains and motor vehicles).....	M	17	1	1		2	1				2	2	3		3
	F	10	2		1		1				2	2	2		4
171B. Others under this title.....	M	16	4	1			1				1	2	2		4
	F	2											1		
172. Water transport accidents.....	M	59	3	24	7	2					12	8			2
	F	8	2		1					1	2	1			1
173. Air transport accidents.....	M	143		85	16			2		17	22	1			
	F	2	1									1			
174. Accidents in mines and quarries.....	M	30		3	1		1			1	15	7	1		1
175. Agricultural and forestry accidents.....	M	90		13	8	8		1		3	11	23	16		6
175A. Accidents involving agricultural machinery and vehicles.....	M	27		2	5	1				1	4	9	3		2
175B. Injury by animals, in agriculture.....	M	25		4	1	2		1			1	4	8		4
175C. Other agricultural accidents.....	M	16		2		1					1	7	5		
175D. Accidents involving forestry machinery and vehicles.....	M	6		2	1					1	2				
175E. Other forestry accidents.....	M	16		3	1	4				1	3	3			
176. Other accidents involving machinery.....	M	26	6	4	2						3	6	3		1
	F	3	1								1		1		
178. Accidental absorption of poisonous gas.....	M	18	2	2	4	1	1			1	1	2	2		1
	F	21	5	3		1	1			1	2	2	1		5



DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY					MONTHS												
	Cana- da	Brit- ish	Foreign		Not stat- ed	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
...	43	4	1	5	1	12	2	3	5	5	10	9	4	...	3	...	1	164C
...	6	4	...	...	...	...	2	2	...	1	1	...	...	...	1	2	1	164D
1	9	5	...	5	1	4	2	2	...	1	1	2	1	4	1	1	1	164E
...	6	...	...	1	...	2	...	4	1	...	...	...	...	...	...	...	...	164F
...	5	1	...	1	...	1	1	2	...	...	1	1	1	...	1	1	1	164G
...	5	2	...	...	...	1	1	...	...	...	1	1	...	1	1	1	1	164H
...	5	1	...	1	...	...	...	1	...	...	1	1	...	1	1	1	1	164I
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	164J
...	3	...	...	1	...	1	...	...	1	...	...	...	...	...	...	1	...	164K
2	13	4	...	1	6	2	1	1	6	1	2	2	2	1	4	2	...	166-168
1	12	1	1	1	5	1	1	...	1	4	4	2	...	4	3	...	...	166
...	1	1	...	...	...	...	1	...	...	...	2	...	2	...	...	1	...	167
...	2	1	...	...	1	...	1	...	...	...	...	...	...	1	...	1	...	168
2	11	3	...	1	6	2	...	1	6	1	2	2	2	1	4	...	...	169-195
...	9	...	...	...	4	...	...	...	1	2	4	...	...	3	3	...	...	169
30	1258	237	55	122	44	101	109	103	107	144	199	184	164	140	142	162	161	169-195
2	657	147	9	17	4	75	60	66	59	77	78	79	73	67	61	70	69	169
4	42	10	3	11	5	5	4	8	2	6	5	9	7	9	5	5	6	170
...	6	6	...	...	...	1	1	2	...	2	...	...	...	...	...	...	...	170A
6	318	56	10	32	6	11	26	24	17	34	35	38	37	56	45	59	40	170B
1	114	21	3	2	1	6	6	7	5	10	16	13	21	24	15	9	9	170C
...	18	2	...	6	...	2	2	3	...	3	...	2	...	7	4	2	1	170D
...	10	2	...	...	...	...	...	...	2	...	...	...	...	9	1	...	...	170E
...	6	...	...	1	...	1	1	...	...	...	2	1	1	...	...	1	1	170F
...	2	1	1	...	...	...	...	...	...	...	2	...	...	...	1	...	...	170G
6	288	53	10	24	6	10	23	21	17	30	33	35	34	46	40	56	36	170H
1	101	18	2	2	1	6	6	7	3	10	14	12	21	15	13	9	8	170I
...	6	1	...	1	...	...	...	...	...	1	1	...	1	3	1	...	1	170J
...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	170K
2	19	7	...	5	2	2	2	2	1	3	3	3	6	2	2	4	3	171
...	9	3	...	...	...	...	...	3	1	...	2	2	2	2	1	...	1	171A
2	7	3	...	5	2	1	2	2	1	1	...	1	5	...	1	1	2	171B
...	7	3	...	...	...	...	...	3	1	...	2	2	...	2	1	...	1	171C
...	12	4	...	...	1	...	...	...	...	2	3	2	1	2	1	3	1	171D
...	2	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	171E
1	47	3	5	3	1	3	...	2	5	12	14	5	5	6	4	2	1	172
...	7	1	...	...	...	...	...	...	5	...	...	1	2	...	...	...	...	172A
...	80	41	12	3	7	13	12	5	9	12	21	15	9	9	9	13	16	173
...	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	173A
...	14	3	...	13	...	2	2	5	1	1	4	4	...	3	6	...	2	174
1	72	5	3	8	2	6	5	8	4	4	10	11	12	6	8	8	8	175
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	175A
...	21	1	...	5	...	...	1	1	1	1	3	3	6	4	2	4	1	175B
...	24	...	...	1	...	2	...	1	2	1	2	4	4	1	4	...	4	175C
...	10	4	1	1	...	2	1	3	...	...	2	3	1	1	1	2	...	175D
...	6	...	...	...	...	...	2	1	...	...	...	...	1	...	...	1	1	175E
1	11	...	2	1	2	2	1	2	1	2	3	1	...	...	1	1	2	176
...	18	4	...	3	1	4	1	1	...	3	1	3	1	2	4	3	3	177
...	2	1	...	...	...	1	...	...	...	...	1	...	1	...	...	...	...	178
1	16	...	...	1	1	3	...	1	1	5	...	...	...	...	1	2	5	179
...	16	4	...	1	...	4	1	2	2	3	1	...	...	1	2	1	4	180



DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY				MONTHS													
	Can- ada	Brit- ish	Foreign		Not stat- ed	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.		Dec.
			USA	Other														
1	4				1			1		3					1			178A
5	2							1	2	2	1			1				
6						1			1	1							2	178B
1				1		2				1								4
10	2		1		4	1	1								2	1		4
15	1		1		2			2		1	2	2	3	1		4		179
10			1		1		1	1		2	2	1	2			1		2
32	3		2		10	3	2	3	1	5	2	2	1	3	2	1		4
14	3	1			3	6	2	1				1		2	1			170
36	6	2		1	4	5	3	5	3	4	4	2	6	2	1	6		181
26	4		1		1	2	2	3	2	1	2	3	1	2	6		6	
30			3	1	1	2	3	4	1	3	2	1	4	1	5			182
24					6	1	3	4	1	1	1	1	2	3		2		2
9	159	16	6	14	12	1	3	4	13	26	45	45	39	6	6	12	7	183
26	1									1	8	9	4	2	1	1		1
1	30	2				1		3	3	6	2	1	3	1	4	6	2	184
1															1			
6	5							1		3		2	2		1	2		185
2	219	58	9	17	3	25	22	24	30	18	28	22	25	20	30	24	38	186
1	318	100	5	12	2	40	40	39	34	50	39	38	33	28	25	37	34	
2	199	57	9	14	3	24	22	21	29	12	27	18	21	19	28	23	38	186A
1	315	98	5	12	2	40	40	39	34	50	38	37	31	27	25	37	34	
20	1			3		1		3	1	6	1	4	4	1	2	1		186B
3	2										1	1	2	1				
2													2					188
1						1									1			
1						1												189
5	1	1		1		1	3								1		3	190
3						1										1		1
3	1										2	2						191
4	1										2	3						
6											2	3	1					192
1	1										1	1						
19	2			1			1	1	2	3	6	4	2	1		1	1	193
2						2												
1																		
2	69	13	4	5	1	6	18	6	5	2	7	7	6	5	11	10	9	194
70	6				1	9	3	5	8	3	4	7	5	4	9	11	9	195
		1							1									195A
																		195B
						1			1									195C
	21	3	1			3	7		2	1		2	2	1	3	4		195D
	25					4	1	2	6			2	2	2	4		2	
2	44	9	3	5	1	2	11	6	1	1	7	5	4	4	7	6	8	195E
	45	6			1	5	2	3	2	3	4	5	3	2	5	11	7	
				2									2					196-198
				2									2					198
1	72	14		9	1	11	6	15	11	9	4	2	7	9	11	3	8	
1	42	7		7	1	7	4	9	6	5	1	2	4	6	7	1	5	
1	30	7		2		4	2	6	5	4	3		3	3	4	2	3	



DITION, NATIVITY, AND MONTH OF DEATH—ONTARIO, 1943—Continued

Not stat- ed	NATIVITY				MONTHS													
	Can- ada	Brit- ish	Foreign		Not stat- ed	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			USA	Other														
1	8 4	2 2				2		1			1	1		1	2		2	199
	34 26 14 11 7 3	5 5 4 5 1		7 2 4 1 1	1	5 2 2 2 1 1	4 2 1 1 1	8 4 4 3 1	6 5 3 1	5 4 1 2		1 2 1 2	4 3 3 1	5 3 1 3	5 3 3 2	1 2 1	3 2 1	200 200A 200B
	13 12			2 1		2 1	2 3	3 3	3 1	2 1				1 2	2 1		2 1	200c

ING TO THE NATURE OF INJURY

the accident under rubrics 169 to 176, 178, 180, 181, 182, 183, 185, 186, 187 and 193.

1	25			1	1	6	1	2	2	5				1	2	2	6
	21	4	1	1		5	3	3	3	3	1			2	2	1	4
	75	10	3	3	1	13	8	4	7	4	15	11	4	8	4	3	11
	35	7		1		3	6	3	3	2	1	3	3	2	3	8	6
	31			4	1	1	2	4	4	1	3	2	1	4	2	5	7
	26					7	1	3	4	1	1	1		3	3		2
11	211	19	12	15	13	1	4	6	19	39	59	50	45	13	11	14	9
	34	2								6	8	9	8	2	1	1	1
	10	5						1		4		3	3		2	2	
		1											1				
3	229	63	11	16	3	26	22	23	30	13	34	26	25	25	31	26	41
1	321	98	5	12	2	41	40	39	34	50	38	39	32	29	25	37	34
12	514	119	24	72	23	41	46	51	32	63	66	72	68	80	74	89	70
1	124	26	3	2	1	6	6	12	6	12	20	14	21	24	16	9	10
	19	3		1			1	2	2	3	6	4	2	1		1	1
	2					2											

TABLE 37—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CONDITION, NATIVITY, AND MONTH OF DEATH, TORONTO, 1943.

TABLE 38—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CONDITION, NATIVITY, AND MONTH OF DEATH, HAMILTON, 1943.

TABLE 39—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CONDITION, NATIVITY, AND MONTH OF DEATH, OTTAWA, 1943.

TABLE 40—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CONDITION, NATIVITY, AND MONTH OF DEATH, LONDON, 1943.

TABLE 41—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL CONDITION, NATIVITY, AND MONTH OF DEATH, WINDSOR, 1943.

Detailed information regarding the above cities on file in the Registrar-General's Branch will be furnished upon receipt of a written request.

TABLE 42—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	COUNTIES																							
		Addington	Albama	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glensarry	Grenville	Grey	Haldimand	Hamburton	Halton	Hastings	Huron	Kenora; incl. Patricia	Kent	Lambton	
<b>Total</b> .....	15,582	51	158	289	461	238	303	173	132	240	266	353	216	160	185	476	230	41	240	335	596	189	351	379	
<b>CLASS I.—INFECTIOUS AND PARASITIC DISEASES</b>																									
<b>Total</b> .....	1187	1	9	44	14	11	36	6	4	6	11	16	13	27	6	20	7	2	6	11	24	30	18	13	
1. Typhoid fever.....	4						1															1			
2. Paratyphoid fever.....	1																								
6. Cerebrospinal meningitis.....	3				1																		1		
8. Scarlet fever.....	7						1						1												
9. Whooping-cough.....	24									2		2		1								1	2		
10. Diphtheria.....	6				1											1									
11. Erysipelas.....	1				1																				
12. Tetanus.....	2				1																				
13-22. Tuberculosis.....	701		3	33	2	3	19		1	2	1	2	9	20	2		1		1	2	4	24	1	3	
13. Tuberculosis of the respiratory system.....	659		3	33	1	3	14		1	1		2	8	20	2		1		1	2	2	22	1	2	
13A. With mention of occupational diseases of lungs.....	17		2	2			1																		
13B. Without mention of occupational diseases of lungs.....	607		3	31	1	3	13		1	1		2	3	20	2		1		1	2	2	18	1	2	
13C. Unspecified site.....	6																					4			
13D. With mention of dementia praecox.....	29												5												
14. Tuberculosis of the meninges and central nervous system.....	10						4															1	2		
15. Tuberculosis of the intestines and peritoneum.....	5				1																	1			
16. Tuberculosis of the vertebral column.....	8																							1	
17. Tuberculosis of other bones and joints.....	5									1			1												
17A. Bones.....	3												1												
17B. Joints.....	2									1															
20. Tuberculosis of the genitourinary system.....	4																								
21. Tuberculosis of other organs.....	2										1														
22. Disseminated tuberculosis.....	8						1																		
22A. Acute generalized miliary.....	6						1																		
22B. Other and unspecified generalized.....	2																								
24. Purulent infection and septicaemia.....	4						1								1										
27. Dysentery.....	9				1									1											
30. Syphilis.....	53		1	1	2		2				1	1		1		2			1			1		2	
30. Locomotor ataxia (tabes dorsalis).....	3																								
30B. General paralysis of the insane.....	14						1								1										
30C. Other syphilis of the central nervous system.....	9				1																				
30D. Others under this title.....	27		1	1	1		1				1	1		1					1				2		
33. Influenza.....	327		1	5	10	4	8	10	5	3	2	5	6	2	5	1	17	6	2	3	9	19	3	10	7
33A. With respiratory complications.....	206		1	4	5	1	3	4	4	1		3	3		3	13	5	1	3	6	12		8	5	
33B. Without respiratory complications.....	121			1	5	3	5	6	1	2	2	2	3	2	2	4	1	1			3	7	3	2	2
35. Measles.....	12				1						1	1													
37. Acute infectious encephalitis.....	6										1												1		
38. Other diseases due to filterable viruses.....	4															1									
38B. German measles.....	1																								
38C. Chicken-pox.....	3															1									
42. Other diseases due to helminths.....	1											1													
43. Mycoses.....	1																								
44. Other infectious and parasitic diseases.....	21						2	1			1	3	1			1			1			1		1	

## CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1943

Lanark	Leeds	Lennox	Lincoln	Manitowlin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Timiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York			
296	262	110	241	104	572	257	199	187	238	296	406	155	200	321	163	202	255	96	300	145	541	158	232	111	315	163	244	268	418	502	1563			
16	9	5	19	12	88	48	14	10	9	14	61	7	5	4	7	8	8	4	10	17	17	12	13	16	52	4	24	14	8	163	154			
1										1							1															1		
				1		1	2		1					1	1				1				1	3	1	1	1					1		
	1																															1		
6	1	2	17	5	76	41	2	1	3	46	4	1	1	1	1	4		1	3	5	2	4	10	44	1	19	1	4	140	123	13-22			
5	1	2	17	4	73	41	2	1	3	45	4	1	1	1	1	4		1	3	3	2	1	9	44	1	19	1	3	134	114	13			
1			2		6	2					1													1								13A		
4		2	15	4	66	39	2	1	3	22	3	1	1	1	1	4		1	3	3	2	1	9	43	1	19		1	134	113	13B			
	1																										1					13C		
					1						23																						13D	
																							2										14	
																													1	2			15	
					2																								1	4			16	
				1																			1											17
				1																			1											17A
																							1											17B
1										1																							20	
					1																	2		1										121
																						1		1										122
																								1										122A
					1																	1												22B
						1																			1									24
1	6	1			1	1			1	2	3	1							1	1	2		1	2			1			14	4		27	
											1																							30
		2			1						2													1										130A
												2																						30B
	2	1				1						1													1									30C
7	1	2	6	6	5	11	5	8	6	10	3	3	2	5	2	6	4		1	1	9	7	4	2	2	3	3	10	3	8	26		33	
4			1	3	3	5	3	4	5	7	3	1			2	1	3	1	2	8	9	7	1	2	2	2	2	8	1	6	15		33A	
3		1	1	3	3		1	2	4	1	3		2	2	3	1	3	3	4	2			3			1	1	2	2	2			33B	
					1											1							2		1									35
		1									1						1																	37
											1											1												38
												1																						38B
																						1												38C
					1																													42
																																		43
1		1			2				1	1																		1						44

TABLE 42—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Alboma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Halliburton	Haltoun	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	
44B. Lymphogranulomatosis (Hodgkin's disease).....	17							1			1	3	1			1				1				1	
44C. Mumps.....	4						2																		
CLASS II.—CANCER AND OTHER TUMOURS																									
<b>Total</b> .....	1556	6	11	31	57	34	32	13	14	20	20	40	13	14	12	65	15	8	27	33	61	8	43	35	
45-55. Cancer and other malignant tumours.....	1514	6	11	31	56	32	28	12	14	19	20	39	12	13	12	64	15	8	27	33	58	8	43	32	
45. Cancer of the buccal cavity and pharynx.....	54			2	3	1	2				2	1				3			1	2	2			1	
46. Cancer of the digestive organs and peritoneum.....	773	2	11	17	35	11	17	7	7	10	10	18	6	4	4	33	5	3	15	18	25	4	28	14	
46A. Oesophagus.....	21		1	1	1			1	1	2										2					
46B. Stomach.....	297		6	5	13	5	7	3	1	3	2	7	1	3	1	17	1	1		8	6	2	10	6	
46C. Duodenum.....	6			1																					
46D. Rectum and anus.....	80			1	7	1	2		1		2	1	1	1	1	4	1	1	4	1	4		1	1	
46E. Intestines.....	215	2	3	5	7	2	2		4	5	4	6	4	1		6	1		8	3	7	1	10	5	
46F. Liver and biliary passages.....	101			2	5	2	4	2	1		1	1			2	4	3		1	3	7		5	1	
46G. Pancreas.....	44		1	1	2	1	2	1		1						2		1	1		1	1	2	1	
46H. Mesentery and peritoneum.....	8			1							1	1								1					
46M. Other and unspecified sites.....	1																		1						
47. Cancer of the respiratory system.....	71			1	2	3	1		2			3		1		2		1	1	2	4	1	3	1	
47A. Larynx.....	13				1	1						1												1	
47B. Lung.....	48			1	1	1	1		1			2		1		2			1	2	3	1	3		
47C. Mediastinum and other sites.....	10					1		1									1				1				
48. Cancer of the uterus.....	93	1		3	3	2	1			2		7		2	1	4	2		1	2	2			1	
48A. Cervix.....	24			1	1							5				1	1								
48B. Other and unspecified sites.....	69	1		2	2	2	1			2		2		2	1	3	1		1	2	2			1	
49. Cancer of other female organs.....	41					2					1		1	1	2	1	2		2		4			2	
50. Cancer of the breast.....	170	2		2	6	8		2	1	3	1	4		1	3	6	2	1	3	5	7	2	4	2	
51. Cancer of the male genital organs.....	106			2	7	2	2	2			4		2			3	2	1	1	1	6		3	4	
52. Cancer of the urinary organs.....	69			1			2	1	2	2	1	4	2			3	1		1		1		1	2	
52A. Kidney.....	21			1			1	2		2	1	3													
52B. Bladder.....	48						1	1		2		1	2			3	1		1		1		1	2	
53. Cancer of the skin.....	46	1				1	1	2	1		1	1	1	1		4	2		1	1	2	1	2	2	
54. Cancer of the brain.....	18			1			1			1						1				1					
55. Cancer of other and unspecified organs.....	73			2		2	1			1	1	2	1	2	2	4	1		3	2	5		1	4	
56. Non-malignant tumours.....	34				1	2	4	1		1	1	1	1	1		1				3				2	
56A. Ovary.....	11									1														1	
56B. Uterus.....	6					1	1								1						1				
56D. Brain and other parts of the central nervous system.....	13				1	1	2	1				1	1								1			1	
56E. Other and unspecified organs.....	4															1					1				
57. Tumours of undetermined nature.....	8																							1	
57D. Brain and other parts of the central nervous system.....	6																							1	
57E. Other and unspecified organs.....	2																								
CLASS III.—RHEUMATISM DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES																									
<b>Total</b> .....	457	2	2	9	19	3	10	3	6	4	9	17	3	3	5	15	8	4	10	9	21	3	9	10	
58. Acute rheumatic fever.....	28				1		2									1		1	1		2			1	



CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER—ONTARIO, 1943—Continued

Lanark	Leeds	Lennox	Lincoln	Manitowlin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York						
1	1				1			1		1									1									1			44B 44C						
29	24	14	28	6	56	28	7	15	28	32	35	17	16	41	12	21	24	8	30	9	42	17	9	4	26	20	31	33	45	34	203						
27	23	14	27	5	54	28	7	15	27	32	34	16	16	40	12	21	23	8	30	9	41	17	8	4	25	20	31	31	43	33	200	45-55					
1	2	1	3	2	2	3	3	3	1	4	2	1	2	1	2	3	3	4	1	2	3	4	3	1	3	4	3	4	3	3	2	2	5	45			
16	9	11	15	1	24	19	3	6	11	20	14	10	8	18	8	8	10	7	19	7	19	8	3	2	14	12	13	14	24	18	98	46					
5	6	4	5	1	6	10	2	4	4	7	8	7	2	10	5	5	3	2	9	4	4	3	3	1	6	5	8	5	7	8	30	46A 46B					
1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	4	2	2	3	3	1	3	3	2	3	12	46C 46D					
4	2	3	5	12	1	2	4	3	3	2	1	3	5	2	3	5	2	3	3	1	4	2	3	3	4	3	4	4	8	4	35	46E 46F					
4	1	3	3	3	3	3	1	1	4	2	1	2	2	1	2	3	3	4	1	2	3	1	1	2	2	1	2	1	1	3	3	8	46G				
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	46H			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	46M			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	47			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	47A 47B		
2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	47C		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	48	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	48B
1	3	3	1	4	2	10	3	1	1	2	6	2	7	1	2	2	2	2	2	2	2	2	1	1	2	2	3	3	3	3	3	3	3	3	7	49	
2	3	3	3	2	2	2	2	2	4	2	3	1	1	5	1	3	1	1	1	1	5	1	1	1	1	1	1	3	3	4	2	7	51				
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	52		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	52A		
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9	52B	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	53	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	54
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	55
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	56	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	56A 56B	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	56D	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	56E	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	57	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	57D	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	57E	
12	4	4	8	2	22	7	5	5	5	6	17	3	10	7	4	9	3	4	8	1	17	3	8	1	8	7	11	6	9	9	48						
1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	4	58		

TABLE 42—CAUSES OF DEATH FOR COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algonia	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Talimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Keat	Lambton
58A. Acute rheumatic heart conditions	25				1	2													1	1		2		1
58B. Others under this title	3															1								
59. Chronic rheumatism and other rheumatic diseases	39		3	2	1				1	1	1					3			1	1	3			
61. Diabetes mellitus	298	2	2	5	11	2	3	3	6	3	5	12	2	3	5	5	7	2	7	5	14	2	5	7
62. Diseases of the pituitary gland	3				1																			1
63 Diseases of the thyroid and parathyroid glands	62		1	3		3				3	2					5	1		1	3	1	1	2	
63A. Simple goitre	5			1												1						1		
63B. Exophthalmic goitre	49		1	2		3				3	2					3			1	3	1	1	2	
63C. Myxoedema and cretinism	7															1	1							
63D. Others under this title	1																							
64. Diseases of the thymus gland	20					2					1	1				1							2	
65. Diseases of the adrenal glands (Addison's disease)	3											1						1						
68. Beriberi	1																				1			
69. Pellagra	1																							1
70. Rickets	2				1																			
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS																								
Total	126		5	3	3	2	2	1	5	1	4	1	1	2	8	3		3		6		1	4	
72. Haemorrhagic conditions	3					1																		1
72A. Primary purpura	3					1																		1
73. Anaemias	75		4	3	1	1	2	1	5		2	1		1	3	1					4			2
73A. Pernicious anaemia	58		4	3	1	2		4		1	1			3	1						3			2
73B. Others under this title	17					1	1	1		1				1							1			
74. Leukaemias and aleukaemias	43		1		1					1	2		1	5	2			2		2	2	1	1	1
74A. Leukaemias	43		1		1					1	2		1	5	2			2		2	2	1	1	1
75. Diseases of the spleen	3				1														1					
76. Other diseases of the blood and blood-forming organs	2																							
CLASS V.—CHRONIC POISONING AND INTOXICATION																								
Total	5			1																				
77. Alcoholism	2			1																				
77A. Acute alcoholism	1																							
77C. Others under this title	1			1																				
78. Lead poisoning	2																							
78A. Occupational	1																							
78B. Non-occupational	1																							
79. Chronic poisoning by other mineral and organic substances	1																							
79A. Occupational	1																							
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS																								
Total	1954	3	18	32	53	20	16	43	22	46	44	32	25	18	35	64	38	3	31	54	92	6	54	48
80. Encephalitis (non-epidemic)	8										1						1			1				2
80A. Intracranial abscess	2																							
80B. Others under this title	6										1						1							2
81. Meningitis (non-meningococcal)	12					1									1		1		1				1	1
81A. Simple meningitis	12					1									1		1		1				1	1



TABLE 42—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Albion	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glenarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	
82. Diseases of the medulla and spinal cord.....	43	1	1	1						4	1	2		1	2							3	1		
83. Intracranial lesions of vascular origin.....	1678	3	15	28	47	20	13	35	22	40	38	26	25	16	26	55	33	3	27	50	83	4	47	40	
83A. Cerebral haemorrhage or effusion.....	544	2	2	9	9	8	10	1	6	15	16	11	5	6	1	21	9	1	7	23	40	1	15	6	
83B. Cerebral embolism and thrombosis.....	83			2	3		2			3			2	2	2	3	4	1	1	1	1	11			2
83c. Cerebral softening.....	3																								
83d. Hemiplegia and other paralysis of unspecified origin.....	74	1	3	1	2	1	1	3	1	3				1		1			1	4	6		1	1	
83E. With mention of arterio-sclerosis.....	974	10	16	33	11	31	15	19	22	13	18	7	22	29	23	1	18	22	26	3	31	31			
84. Mental disorders and deficiency (general paralysis of the insane excepted)	46				1		1					1				1					1			1	
84A. Schizophrenia (dementia praecox).....	8																1							1	
84B. Others under this title.....	38					1		1				1													
85. Epilepsy.....	44	1		1						1						2	1					2		2	
86. Convulsions (under 5 years of age).....	17											1			1				1	1		1			
87. Other diseases of the nervous system.....	98	1	3	2			8		2	3	2		1	5	5	1		2	1	3		3	5		
87B. Neuritis.....	4		1									1						1							
87C. Paralysis agitans.....	35						2		1	1			1	1	2				1	1	1			1	
87D. Disseminated sclerosis.....	50	1	2	1			6		1	2	1			4	3				1		2		3	2	
87E. Others under this title.....	9																								
88. Diseases of organs of vision.....	2																	1							
89. Diseases of the ear and of the mastoid process.....	6				1		1									1						1			
89A. Otitis and other diseases of the ear.....	5				1		1									1						1			
89B. Diseases of the mastoid process.....	1																								
<b>CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM</b>																									
<b>Total.....</b>	<b>5702</b>	<b>26</b>	<b>64</b>	<b>96</b>	<b>171</b>	<b>94</b>	<b>57</b>	<b>66</b>	<b>49</b>	<b>89</b>	<b>114</b>	<b>124</b>	<b>91</b>	<b>57</b>	<b>72</b>	<b>204</b>	<b>81</b>	<b>12</b>	<b>110</b>	<b>108</b>	<b>215</b>	<b>36</b>	<b>140</b>	<b>170</b>	
90-95. Diseases of the heart.....	5194	23	60	84	152	91	55	63	43	82	100	116	86	54	58	182	69	12	104	104	194	32	129	137	
90. Pericarditis (acute rheumatic excluded).....	3																								1
90A. Chronic rheumatic pericarditis.....	1																								
90B. Others under this title.....	2																								
91. Acute endocarditis (non-rheumatic).....	29										2					1	3								1
91A. Bacterial endocarditis (acute, subacute or unspecified).....	18										1		1					2							1
91B. Other acute or subacute endocarditis.....	8										1						1	1							
91C. Endocarditis (not specified under 45 years).....	3																								
92. Chronic affections of the valves and endocardium	534	2	28	6	13	5	9	6	5	5	7	17	9	20	6	25	5		6	9	16	9	11	6	
92A. Specified valvular diseases (rheumatic).....	150			2	3		2	3		1	4	7	3	3	2	6				1	3	8	1	4	2
92B. Other specified valvular diseases (non-rheumatic).....	251	1	14	2	9	4	2	3	1	3	2	5	5	10	4	10	1		3	4	5	8	6	3	
92C. Unspecified valvular lesions and endocarditis.....	133	1	14	2	1	1	5		4	1	1	5	1	7		9	4		2	2	3		1	1	
93. Diseases of the myocardium.....	2794	14	18	47	101	40	16	29	27	48	46	49	58	24	26	115	37	7	64	69	100	11	61	70	
93A. Acute myocarditis.....	49		1	4						5	9	2	1	1							2			2	
93B. Myocarditis (not specified under 45 years).....	12					1	1						1	2	1	2					1				
93C. Chronic myocarditis and myocardial degeneration (rheumatic).....	76			2	3				1	1	1		1	1	6	1			3			4	2	1	
93D. Chronic myocarditis (non-rheumatic).....	2106	10	13	31	78	32	14	24	20	37	30	38	52	13	21	67	31	7	49	52	84	8	45	47	
93E. Other myocarditis (not specified).....	551	4	4	10	20	7	2	4	6	5	6	9	3	8	3	40	5		12	14	11	1	14	22	

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER—ONTARIO, 1943—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York			
1	...	1	...	1	1	1	1	1	...	...	1	2	3	...	1	...	3	...	2	1	...	...	1	...	2	1	3	82						
34	29	8	27	9	52	33	15	20	26	36	41	16	22	45	17	10	26	13	32	8	59	21	14	11	24	25	28	29	57	28	167	83		
5	5	1	8	3	21	6	4	4	8	12	16	5	5	17	9	5	10	4	11	2	15	9	6	7	13	8	8	8	20	8	57	83A		
2	1	2	1	2	1	2	2	2	2	2	...	...	3	...	1	...	1	1	1	1	1	...	1	...	2	3	3	1	12	83B	83C			
...	...	...	...	1	...	4	5	...	2	3	2	4	3	...	1	...	1	2	3	3	...	1	1	...	1	...	1	2	...	7	83D			
27	23	7	16	6	30	21	6	14	13	19	23	7	14	25	8	4	15	9	19	3	39	12	6	3	10	17	18	17	32	19	91	83E		
...	4	1	...	3	...	...	...	1	2	1	...	...	...	...	...	1	...	...	...	22	...	...	...	...	...	...	1	4	...	84				
...	3	1	...	3	...	2	1	...	1	2	1	...	...	...	1	...	...	1	3	...	22	...	...	...	...	...	2	1	3	...	84A	84B		
...	1	1	...	1	2	1	...	...	...	4	2	...	...	1	...	...	1	3	13	...	...	...	...	...	...	...	1	1	3	...	85			
...	...	...	...	1	1	...	...	...	1	1	1	...	...	1	...	...	1	3	...	1	3	...	1	2	...	3	3	...	3	1	8	86		
...	1	1	1	2	1	2	...	3	4	...	3	2	2	3	...	1	1	1	1	1	4	...	...	...	3	3	...	3	1	8	87			
...	1	1	1	1	...	1	2	...	2	2	2	1	1	1	...	1	1	...	1	1	1	...	...	1	1	...	1	1	1	1	4	87B		
...	...	...	...	1	2	...	2	2	...	1	1	1	1	...	1	...	1	1	...	1	3	...	...	2	2	...	1	1	1	...	4	87C		
...	...	...	...	1	1	...	2	2	...	1	1	1	1	...	1	...	1	1	...	1	3	...	...	2	2	...	1	1	1	...	4	87D		
...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	87E	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	88	
...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	89	
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	89A	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	89B	
131	123	53	89	38	201	67	63	81	104	108	141	46	91	133	79	52	101	20	124	37	172	50	65	30	71	76	94	95	163	180	578			
112	110	49	85	30	171	60	63	77	92	99	131	41	84	124	75	44	86	20	112	35	153	46	63	30	70	68	87	92	142	175	538	90-95		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	90	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	90A	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	90B	
3	1	...	...	2	1	...	...	1	...	2	2	1	...	1	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	4	91	
3	1	...	...	2	1	...	...	1	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	91A		
...	...	...	...	...	...	...	...	...	...	...	1	2	...	1	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	91B	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	91C	
5	6	3	5	1	16	3	4	5	7	17	16	5	2	3	5	8	17	9	20	3	24	7	6	1	9	9	7	5	27	6	48	92		
2	4	...	2	...	3	...	1	1	4	6	3	1	1	2	1	2	5	1	1	...	7	3	1	1	3	4	2	2	10	2	20	92A		
1	2	...	...	1	10	2	...	1	3	10	8	1	1	1	3	4	3	7	12	3	14	3	4	...	1	5	3	2	16	4	21	92B		
2	...	3	3	...	3	1	3	3	...	1	5	3	...	1	2	9	1	7	...	3	1	1	...	5	...	2	1	1	...	7	92C			
67	72	30	47	10	98	28	37	36	52	1	46	78	24	45	82	43	24	48	3	54	25	1	74	30	28	12	35	25	52	55	75	137	745	93
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	2	...	...	...	...	2	...	...	4	3	93A		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	1	...	...	93B	
1	...	...	4	...	2	...	1	...	2	...	1	...	...	5	...	1	2	...	...	...	2	3	1	1	2	...	2	2	4	2	11	93C		
47	63	21	31	9	65	21	25	26	40	42	51	17	33	64	37	18	31	2	34	19	64	11	17	11	28	20	34	42	54	125	201	93D		
19	9	9	12	1	31	7	10	8	9	3	24	7	12	13	5	5	15	1	20	5	6	14	9	...	5	5	14	11	17	5	30	93E		

TABLE 42—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algonia	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	
94. Diseases of the coronary arteries and angina pectoris.	1633	6	13	29	33	43	23	26	11	23	38	46	17	7	20	38	24	5	34	23	68	11	44	57	
94A. Diseases of the coronary arteries	1553	5	11	27	33	42	22	23	11	19	35	45	15	2	18	38	22	5	33	21	65	10	40	56	
94B. Angina pectoris	80	1	2	2		1	1	3		4	3	1	2	5	2		2		1	2	3	1	4	1	
95. Other diseases of the heart	201	1	1	2	5	3	7	2		6	7	4	1	3	6	3			1	3	10	1	13	2	
95A. Functional diseases of the heart (no organic lesion)	22				1		1			1	1				1						4	1	2		
95B. Other diseases of the heart (rheumatic)	18				1	1															1		1		
95C. Other diseases of the heart (non-rheumatic)	161	1	1	2	3	2	6	2		5	6	4	1	3	5	3				3	5		10	2	
96. Aneurysm (heart and aorta excepted)	5		1		1																				
97. Arteriosclerosis (coronary or renal sclerosis or cerebral haemorrhage excepted)	447	2	3	12	16	1	1	3	6	6	14	7	4	3	12	19	10		6	4	20	1	8	30	
98. Gangrene	13					1				1					1	2						1		1	
99. Other diseases of the arteries	21				1							1				1	2				1	2	2	2	
100. Diseases of the veins	11	1			1								1		1						1	2	2	2	
101. Diseases of the lymphatic system	1						1																		
102. High blood pressure (idiopathic)	10				1																			1	
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM																									
Total	859		9	20	27	17	31	5	5	12	13	12	16	10	10	17	11		11	23	28	26	17	13	
104. Diseases of the nasal fossae and accessory sinuses	7								1	1															
105. Diseases of the larynx	6																					1			
106. Bronchitis	75		2	5	3	2	4	1		2		1				4	3			4	5	1	1	3	
106A. Acute	20		1	1	1	1	1					1				2	1			1	1		1		
106B. Chronic	43		1	4	2	1										2				2	5	1		2	
106C. Unspecified	12							1		2						2				1				1	
107. Broncho pneumonia	354		4	9	11	12	19	4	1	4	7	6	11	2	4	8	1		5	7	8	4	10	5	
108. Lobar pneumonia	159			4	5	1	2		3	5	1	3	3	3	1	1	2		1	5	4		3	1	
109. Pneumonia (unspecified)	167		2	2	2	3					4	1	1	4	4	3	3		2	3	7	19		4	
110. Pleurisy	15		1	2		2										3									
110A. Empyema	7			2		1																			
110B. Others under this title	8		1			1																			
111. Haemorrhagic infarction, congestion, oedema and thrombosis of the lungs	41				4					1		1	1	1	1	1	1		1	3		2	2		
111A. Haemorrhagic infarction and thrombosis of the lungs	7				2							1				1									
111B. Others under this title	34				2					1		1	1	1	1	1			1	3		2	2		
112. Asthma	19			2		1						1							1	1	3				
114. Other diseases of the respiratory system (tuberculosis excepted)	16						3													1				1	
114A. Silicosis	5						1																		
114D. Others under this title	11						2												1					1	
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM																									
Total	391	1	3	7	19	8	16	2	3	3	5	10	3	1	6	10	7	1	2	9	18	8	3	11	
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils	20			1	1		3					1									1	1		1	

CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1943—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Timiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York				
35	31	15	26	5	52	25	18	36	31	35	33	10	34	30	23	3	17	8	35	7	47	6	27	16	25	33	25	28	39	30	209	94			
34	30	15	25	5	46	24	17	35	31	31	31	8	32	30	21	2	17	8	33	5	45	6	26	16	23	31	25	28	38	29	208	94A			
1	1	1	1	1	6	1	1	1	1	4	2	2	2	2	2	1	1	1	2	2	2	2	1	1	2	2	1	1	1	1	1	94B			
2	...	1	7	14	3	3	4	...	1	1	2	...	2	9	3	7	4	...	3	...	8	2	1	1	1	1	3	3	1	2	32	95			
1	...	...	...	...	1	1	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	2	95A		
...	...	...	...	...	1	1	...	...	...	...	1	...	...	1	1	1	...	...	...	...	...	1	...	...	...	1	...	...	1	...	...	1	6	95B	
1	...	1	7	14	2	1	3	...	1	1	1	...	1	7	3	6	4	...	3	...	7	2	...	1	1	1	1	2	1	1	24	95C			
...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	96	
17	13	4	4	7	28	5	...	4	10	9	10	4	6	7	4	6	14	...	12	2	17	3	1	...	...	8	6	2	17	4	35	97			
1	...	...	...	...	1	...	...	...	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	98	
1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	2	1	...	...	1	...	...	1	...	1	...	1	199	
...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	3	...	100		
...	...	...	...	...	1	1	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	101	
...	...	...	...	...	1	1	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	102	
17	18	3	14	3	34	14	9	10	13	27	25	12	9	24	7	11	13	10	13	9	45	13	18	8	18	5	9	18	17	13	67	...			
1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	1	...	104	
2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	105	
...	2	1	1	1	1	2	1	...	1	4	1	...	1	1	1	2	...	...	1	1	3	2	3	1	2	...	2	1	...	...	2	...	106		
...	1	1	1	1	1	2	1	...	1	3	1	...	1	1	1	1	...	...	1	1	2	1	1	1	1	...	1	1	...	...	1	...	106A		
1	...	...	...	...	...	...	1	...	...	3	1	...	...	1	1	1	...	...	1	1	2	1	1	1	1	...	1	...	...	...	...	1	106B		
7	6	1	6	1	19	5	3	4	8	14	10	2	3	12	3	4	2	4	6	3	31	7	3	4	2	6	6	1	5	24	...	107			
3	5	3	3	5	6	3	1	1	6	2	2	2	3	3	1	2	6	1	3	1	4	4	4	4	2	6	4	2	8	16	...	108			
3	3	1	...	5	...	2	4	4	5	3	5	3	5	2	3	2	5	3	1	3	2	8	3	5	1	1	1	...	...	...	15	...	109		
1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	1	1	...	...	...	2	1	...	...	...	...	1	...	...	...	...	...	110		
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	2	1	...	...	...	...	1	...	...	...	...	...	...	110A	
...	2	1	2	1	1	...	...	...	...	2	1	...	1	...	...	...	...	...	...	...	2	2	...	...	...	...	1	2	1	4	...	...	110B		
...	2	1	2	1	1	...	...	...	...	2	1	1	...	1	...	...	...	...	...	...	2	2	...	...	...	...	1	2	1	...	...	...	2	111A	
...	...	...	...	...	2	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	3	...	111B	
...	...	...	1	1	1	...	...	...	1	...	...	...	...	2	1	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	2	114	
...	...	...	1	...	1	...	...	...	1	...	...	...	...	2	1	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	2	114A	
...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	114B	
8	4	...	5	7	13	11	13	4	2	9	9	4	4	8	5	6	6	2	5	5	10	4	6	2	7	2	7	5	11	2	49	...			
1	1	...	...	...	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	2	115

TABLE 42—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	COUNTIES																						
		Addington	Algonia	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glenegarry	Greyville	Grey	Haldimand	Hamburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton
115A. Diseases of the teeth and gums	3						1					1												
115B. Septic sore throat	7		1																					1
115C. Diseases of the pharynx and tonsils	8				1		1																	
115D. Others under this title	2						1															1	1	
116. Diseases of the oesophagus	3																							1
117. Ulcer of the stomach or duodenum	73		1		4	2	2	1		2	2	2	1		2	3	2	1				2	1	1
117A. Stomach	41		1		3	2	2			1	1				2	1	2	1				1		1
117B. Duodenum	32							1		2	1	1	1			2						1		1
118. Other diseases of the stomach	17				1		3							1										
119. Diarrhoea and enteritis (under 2 years of age)	53		1	1	2		4		2		1			1		1				1	1	2		2
119A. Diarrhoea and enteritis (2 years of age and over)	53		1	1	2		4		2		1			1		1				1	1	2		2
120. Diarrhoea and enteritis (2 years of age and over)	19				1		1				1			1		1			1					
120A. Diarrhoea and enteritis	15						1							1		1			1					
120B. Ulceration of the intestines	4						1				1													
121. Appendicitis	43		1	2				3				1			5				1			3	2	2
122. Hernia, intestinal obstruction	68		1		5		2	1		1	1	2	1			1	1			2	6	2	1	1
122A. Hernia	25		1		4			1		1	1	2								1	3	2	1	1
122B. Intestinal obstruction	43				1		2		1			1		1		1	1			1		3		
123. Other diseases of the intestines	9																							
124. Cirrhosis of the liver	39	1		1	3	2				1	2			1	1					4				3
124A. With mention of alcoholism	1																				1			
124B. Without mention of alcoholism	38	1		1	3	2				1	2			1	1					3				3
125. Other diseases of the liver	3																							
125B. Others under this title	3																							
126. Biliary calculi	17			1			1			1	1		1							1	3		1	1
127. Other diseases of the gall-bladder and bile ducts	16				1		1									1				1	1			
128. Diseases of the pancreas	4															1								
129. Peritonitis without stated cause	7				1			1													1			
CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEM																								
Total	950	3	9	9	35	14	16	6	13	13	12	34	17	5	22	19	13	3	14	38	38	9	21	30
130. Acute nephritis	21			1			1										2			1	2			
131. Chronic nephritis	740	3	7	8	27	10	9	6	12	7	8	26	14	4	17	13	7	3	14	29	21	7	16	23
132. Nephritis unspecified (over 10 years of age)	48		1		2		1				1	4		1	2	1	1			3	5	1	3	1
133. Other diseases of the kidneys and ureters	27				2	1	2			2	1		1		1		1			1	1			1
134. Calculi of the urinary passages	12					1				1		1								1				
135. Diseases of the urinary bladder	6																							2
136. Diseases of the urethra, urinary abscess, etc.	1																							
136B. Others under this title	1																							
137. Diseases of the prostate	88		1		4	2	3		1	4	1	4	1		2	5	2			3	8	1	2	3
138. Diseases of the male genital organs (non-venereal)	1																							
139. Diseases of the female genital organs (non-venereal)	6																					1		
139A. Ovaries, Fallopian tubes and parametria	2																							
139B. Uterus	4																				1			



CITIES, TOWNS AND VILLAGES OF 5,000 AND OVER—ONTARIO, 1943—Continued

Lanark	Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sturbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Weiland	Wellington	Wentworth	York					
					1					1															1					1	115A					
														1															1	1	115B					
	1																													1	115C					
																																115D				
																1																116				
1					2	3		1			3	2	2		2					1	2	1	1	1							13	117				
1				1	1			1			2	1	1		2				2	1	1	1				4			2		3	117A				
				1	1				1		2	1	2		2							1			1	2					10	117B				
					1	1			1	1	1				1					1					1	1		1				2	118			
			1	2	1	5	6	1			1	1	1		1	2				1	1	2	2	2	1	1	1				1	119				
			1	2	1	5	6	1			1	1	1		1	2			1	1	2	2	2	1	1	1	1			1	1	119A				
1				1	2					1		1	1									2					1					1	120			
1				2						1		1	1									2					1					1	120A			
						3	2					1			1			1	1				3	2				1	2			1	120B			
1											1																	2				5	121			
1			2		5	1	2			1		1			4				1			1	1	1					2	1		11	122			
1			1		1					1		1			1							1	1	1									1	122A		
			1		5	1	2			1		1			3		1	4		1			1	1					2	1	7		122B			
									1			1				1										1						5	123			
3	1				1			1		2						1	1				1		1	1				2	2			3	124			
																																		124A		
3	1				1			1		2						1	1					1	1					2	2			3	124B			
						1		1														1												125		
								1														1												125B		
					1	1									1	1											1						1	126		
	2		1							1	1				1					1		1											3	127		
											1															1							1	128		
							1															1				2								129		
18	20	7	10	3	35	9	12	8	20	18	15	11	11	18	9	30	26	6	18	15	43	16	15	2	18	7	10	15	32	17	63					
16	17	7	9	2	33	5	11	7	14	16	12	11	10	14	7	27	23	6	11	14	37	11	14	2	3	7	9	11	21	14	41		2	130		
1	1								1	1	1				1	1			3	1		3		3									3	132		
	2		1	1						1																	1	2					2	133		
									1													1												4	134	
																						1												2	135	
																																			136	
					2	3		1			1		1	3	1	1	2		1			4	1		1	1	1	2	5	2	7		136B			
																																			137	
																								1											138	
1																						1												1	2	139
1																						1													139A	
																														1					2	139B









TABLE 42—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Counties																							
		Addington	Albion	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glennary	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton	
164F. By crushing.....	5																								
164G. By other or unspecified means.....	2																					1			1
166-168. Homicides.....	17					1	4						1								1				
166. Homicide by firearms.....	3						2																		
167. Homicide by cutting or piercing instruments.....	1																				1				
168. Homicide by other or unspecified means.....	13					1	2					1													
169-195. Accidental deaths.....	1175	3	16	19	31	22	37	13	5	17	26	36	22	9	8	20	26	6	17	18	38	39	24	21	
169. Railway accidents (excluding motor vehicles).....	40		1				2			2				1	2			3					1	2	
170. Motor vehicle accidents.....	215		2	3	5	4	4	3		4	2	4	3	2			4	1		2	8	3	5	5	
170A. Collisions with trains.....	25									1	1									1		1	1	7	
170B. Collisions with street-cars.....	2																								
170C. Automobile accidents (excluding trains or street-cars).....	183	2	3	5	4	4	3		3	1	4	2	2		4	1		2	7	3	4	4	7		
170D. Motorcycle accidents (excluding automobiles).....	5												1												
171. Street-car and other road transport accidents.....	11				1																1		1		
171A. Street-car accidents (excluding trains and motor vehicles).....	1																								
171B. Others under this title.....	10				1																1		1		
172. Water transport accidents.....	51	1	4	1	1	1	2		1	3	3			2	1			3	2		6				
173. Air transport accidents.....	136	1		5	2	4			1	10	3		7				14				6	1			
174. Accidents in mines and quarries.....	27						10													1					
175. Agricultural and forestry accidents.....	62		2		1		5	2		2		2		1			1	1		1	5	2	1		
175A. Accidents involving agricultural machinery and vehicles.....	18				1						1			1							2		1		
175B. Injury by animals, in agriculture.....	14							1		1		1		1			1			1	1				
175C. Other agricultural accidents.....	9							1					1								2	1			
175D. Accidents involving forestry machinery and vehicles.....	6						3																		
175E. Other forestry accidents.....	15		2				2										1					1			
176. Other accidents involving machinery.....	11												1						1						
178. Accidental absorption of poisonous gas.....	8			1	1			1														1		1	
178A. Coal and illuminating gas.....	2							1																1	
178B. Motor vehicle exhaust gas.....	2																					1			
178C. Other carbon-monoxide gas.....	4			1	1																				
179. Acute accidental poisoning by solids or liquids.....	12		1	1								1		1					1						
180. Conflagration.....	39		1	1	2	1	2					5					3		1						
181. Accidental burns (conflagration excepted).....	23				2		1				1		1		1						1	2	1	2	
182. Accidental mechanical suffocation.....	33						2	1				2				1					2	1	3	2	
183. Accidental drowning.....	163		2	2		5	6			1	3	9	5		1	1	2	4	3		1	10	9		
184. Accidental injury by firearms.....	16	1														1						3	1		
185. Accidental injury by cutting or piercing instruments.....	5				1		1															2			
186. Accidental injury by fall or crushing.....	219		2	4	13	2		6	3	7	2	6	1	3	1	11	2	1	4	2	14	4	3	7	
186A. Accidental injury by fall.....	211		2	4	13	2		6	3	7	1	6	1	3	1	10	1	1	4	2	13	4	3	7	
186B. Accidental injury by crushing.....	8										1						1	1							
188. Injury by animals.....	1										1										1				
190. Excessive cold.....	6										1				1							1			



TABLE 42—CAUSES OF DEATH BY COUNTIES (EXCLUSIVE OF

CAUSES OF DEATH	Total	Addington	Algonia	Frank	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	
191. Excessive heat.....	5						1																1		
192. Lightning.....	7																							1	
193. Accidents due to electric currents.....	10											1													1
195. Other accidents.....	75	1	1	2	3	2	1	1	2	2	2	2	1		2	1					1	4		1	1
195B. Other accidents due to medical or surgical intervention.....	1																								
195C. Lack of care of the newborn.....	1																								
195D. Obstruction, suffocation or puncture by ingested objects.....	20		1	2	2	1			1	2															1
195E. Other and unspecified objects.....	53	1				1	1	1	1	1		2	1		2	1					1	4		1	
<b>CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH</b>																									
<b>Total</b> .....	60		2						1		1	1	2		3	1				1	4	9	2	1	
199. Sudden death.....	15		2						1		1			1								1			1
200. Ill-defined and unknown causes.....	45												1	1											2
200A. Ill-defined.....	13														3	1					1	3	9	2	
200B. Found dead.....	10														3	1								1	
200C. Unknown or unspecified cause.....	22												1	1							1	8			1

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORD

These accidental deaths are classified above according to circumstances involving the

Accidental absorption of poisonous gas.....	20		1	2	2								4					1			1				1
Accidental burns.....	64				3	1	3					1	1	1	3			4			1	2	1		2
Accidental mechanical suffocation.....	36					2	2					2				1				2	1			3	2
Accidental drowning.....	221	1	6	3	1	6	7		2	7	13	7		1	2	2	4	6	2	1	16	9			
Accidental injury by cutting or piercing instruments.....	9		1			1										1						2			
Accidental injury by fall.....	230		2	4	14	2	1	7	3	7	1	6	1	3	1	10	2	1	6	2	14	4	3	7	
Accidental injury by crushing.....	454	1	4	8	8	8	19	4	1	6	14	6	12	2	1	4	17	1	1	11	14	8	9	7	
Accidents due to electric currents.....	11											1									1				1





TABLE 43—CAUSES OF DEATH FOR TOWNS AND VILLAGES AS AT CENSUS

CAUSES OF DEATH	Total	Barrie	Brampton	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Francis
DEATHS—ALL CAUSES. Total	2,691	158	98	102	125	63	22	75	65
CLASS I.—INFECTIOUS AND PARASITIC DISEASES									
Total	125		6	2	2	2	1	5	2
1. Typhoid fever	1								
6. Cerebrospinal meningitis	1								
9. Whooping-cough	9							2	
11. Erysipelas	2		1						
13-22. Tuberculosis	26				1		1	1	1
13. Tuberculosis of the respiratory system	18				1				1
13B. Without mention of occupational diseases of lungs	18				1				1
14. Tuberculosis of the meninges and central nervous system	1								
15. Tuberculosis of the intestines and peritoneum	4								
20. Tuberculosis of the genito-urinary system	1						1		
22. Disseminated tuberculosis	2								
22A. Acute generalized miliary	1							1	
24. Purulent infection and septicaemia	2							1	
25. Gonococcus infection	1								
27. Dysentery	1								
30. Syphilis	19								
30A. Locomotor ataxia (tabes dorsalis)	1								
30B. General paralysis of the insane	8								
30C. Other syphilis of the central nervous system	4								
30D. Others under this title	6								
33. Influenza	51		4	1		2			1
33A. With respiratory complications	38		3	1		1			
33B. Without respiratory complications	13		1			1			1
35. Measles	4				1			1	
37. Acute infectious encephalitis	3							1	
38. Other diseases due to filterable viruses	1								
38C. Chicken-pox	1								
42. Other diseases due to helminths	1								
44. Other infectious and parasitic diseases	4		1	1					
44B. Lymphogranulomatosis (Hodgkin's disease)	3			1					
44C. Mumps	1		1						
CLASS II.—CANCER AND OTHER TUMOURS									
Total	353	27	5	8	19	14	6	11	8
45-55. Cancer and other malignant tumours	340	26	4	7	19	14	6	11	8
45. Cancer of the buccal cavity and pharynx	17	2					1		1
46. Cancer of the digestive organs and peritoneum	178	15		5	11	10	2	5	5
46A. Oesophagus	4								
46B. Stomach	64	9			5	3	1	2	3
46C. Duodenum	1								
46D. Rectum and anus	16	3		2				1	
46E. Intestines	50			2	2	6	1	1	1
46F. Liver and biliary passages	28	1		1		1			1
46G. Pancreas	15	2			4			1	
47. Cancer of the respiratory system	16	2				1	1	1	1
47A. Larynx	3	1							
47B. Lung	12	1				1	1	1	1
47C. Mediastinum and other sites	1								
48. Cancer of the uterus	22	1		1	3		1		
48A. Cervix	7				1				
48B. Other and unspecified sites	15	1		1	2		1		
49. Cancer of other female organs	12								
50. Cancer of the breast	39	5	1		2	2		1	1
51. Cancer of the male genital organs	17		2					2	
52. Cancer of the urinary organs	18		1		1		1		
52A. Kidney	5								
52B. Bladder	13		1		1		1		
53. Cancer of the skin	4					1		1	
54. Cancer of the brain	5				1			1	
55. Cancer of other and unspecified organs	12	1		1	1			1	
56. Non-malignant tumours	10	1	1	1					
56A. Ovary	3			1					
56B. Uterus	3	1							





OF 5,000 TO 10,000 POPULATION, ONTARIO, 1943—Continued  
 YEAR 1941

Hawkesbury	Ingersoll	Kenora	Leamington	Leaside	Lindsay	Long Branch	Midland	Mimico	New Toronto	Orillia	Parry Sound	Port Colborne	Port Hope	Preston	Renfrew	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby				
																								256D			
	2														1									56E			
	2														1									57			
																								57D			
1	2	3	2	1	6	4	5		1	5	6		4	2	3	5	4	1	5	1		1	9				
	1									1														58			
	1									1														58A			
	1	3	2	1	4	2	4		1	4	4		4	1		5	1						1	59			
											2				1									8	61		
															1										63		
															1										63B		
															1										64		
															1										65		
	2			2	1		1	1		2	1		1		1	2		1	2	1				3			
											1														72		
	2			1			1			1	1														72A		
	2			1			1			1															73		
																									73A		
				1	1			1		1															73B		
				1	1			1		1															74		
				1	1			1		1															74A		
																									75		
																1	1								1		
																1	1								77		
																1	1								77B		
																1									77C		
																									79		
																									79B		
8	13	9	9	4	29	2	24	4	18	25	10	3	5	2	7	9	12	4	10	11	6	11	39				
						1	1																		80		
						1	1																		80B		
							1																		81		
							1																		81A		
	1		1							1															82		
6	11	7	8	4	25	2	20	4	14	23	9	3	4	1	6	8	11	4	9	10	6	11	28	83			
2	2	4			14	1	3	2	7	10	1	1		1	1	4	2	1	3	4	1	3	9	83A			
					2					1						1								4	83B		
																									2	83C	
					2				1		2														1	83D	
4	9	3	8	4	7	1	17	2	6	12	5	3	3		3	3	9	3	6	5	5	8	12	83E			
					2				2	1															9	84	
					2				2	1															4	84A	
										1															5	84B	
	1						1		1																1	85	
																										1	86
	1	1							1		1						1		1						1	87	
			1						1																	1	87B
																										1	87C
									1		1						1		1							1	87D
	1										1									1						1	87E

TABLE 43—CAUSES OF DEATH FOR TOWNS AND VILLAGES AS AT CENSUS

CAUSES OF DEATH	Total	Barrie	Brampton	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Francis
89. Diseases of the ear and of the mastoid process.....	2								
89A. Otitis and other diseases of the ear.....	2								
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM									
<b>Total</b> .....	866	43	50	48	41	21	10	18	16
90-95. Diseases of the heart.....	780	33	47	45	39	17	9	14	16
90. Pericarditis (acute rheumatic excluded).....	1								
90B. Others under this title.....	1								
91. Acute endocarditis (non-rheumatic).....	9	2							1
91A. Bacterial endocarditis (acute, subacute or unspecified).....	5	2							1
91C. Endocarditis (not specified under 45 years).....	4								
92. Chronic affections of the valves and endocardium.....	94	6	10	15	6	3	2		1
92A. Specified valvular diseases (rheumatic).....	33		2	15	2				1
92B. Other specified valvular diseases (non-rheumatic).....	50	5	7		4	2	2		
92C. Unspecified valvular lesions and endocarditis.....	11	1	1			1			
93. Diseases of the myocardium.....	441	12	33	22	22	7	5	8	7
93A. Acute myocarditis.....	4		1				1		
93B. Myocarditis (not specified under 45 years).....	2					1			
93C. Chronic myocarditis and myocardial degeneration (rheumatic).....	10			1	4				1
93D. Chronic myocarditis (non-rheumatic).....	341	9	25	15	17	2	3	7	4
93E. Other myocarditis (not specified).....	84	3	7	6	1	4	1	1	2
94. Diseases of the coronary arteries and angina pectoris.....	217	13	4	8	11	7	1	4	7
94A. Diseases of the coronary arteries.....	211	13	4	8	10	7	1	4	7
94B. Angina pectoris.....	6				1				
95. Other diseases of the heart.....	18						1	2	
95A. Functional diseases of the heart (no organic lesion).....	2								
95B. Other diseases of the heart (rheumatic).....	1						1		
95C. Other diseases of the heart (non-rheumatic).....	15							2	
97. Arteriosclerosis (coronary or renal sclerosis or cerebral hæmorrhage excepted).....	71	6	3	3	1	4	1	4	
98. Gangrene.....	1								
99. Other diseases of the arteries.....	8	2			1				
100. Diseases of the veins.....	4	1							
102. High blood pressure (idiopathic).....	2								
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM									
<b>Total</b> .....	181	9	2	15	7	6	2	2	6
106. Bronchitis.....	8	1		1		1	1		1
106A. Acute.....	4			1		1	1		1
106B. Chronic.....	4	1							
107. Broncho pneumonia.....	90	4	1		3				5
108. Lobar pneumonia.....	33	2	1	5	1	1	1	1	
109. Pneumonia (unspecified).....	19			1	2	2			
110. Pleurisy.....	1								
110A. Empyema.....	1								
111. Hæmorrhagic infarction, congestion, oedema and thrombosis of the lungs.....	22	1		8	1	1			
111B. Others under this title.....	22	1		8	1	1			
112. Asthma.....	2	1							
113. Pulmonary emphysema.....	1					1			
114. Other diseases of the respiratory system (tuberculosis excepted).....	5								
114A. Silicosis.....	1								
114B. Others under this title.....	4								
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM									
<b>Total</b> .....	118	9	2	3	3	3		6	3
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils.....	7								
115B. Septic sore throat.....	3								
115C. Diseases of the pharynx and tonsils.....	3								
115D. Others under this title.....	1								
116. Diseases of the oesophagus.....	1								
117. Ulcer of the stomach or duodenum.....	15	2			1	1			1
117A. Stomach.....	3					1			
117B. Duodenum.....	12	2			1				1



TABLE 43—CAUSES OF DEATH FOR TOWNS AND VILLAGES AS AT CENSUS

CAUSES OF DEATH	Total	Barrie	Brampton	Cobourg	Collingwood	Dundas	Eastview	Fort Erie	Fort Francis
118. Other diseases of the stomach.....	2								
119. Diarrhoea and enteritis (under 2 years of age).....	15				1	2			
119A. Diarrhoea and enteritis.....	15				1	2			
120. Diarrhoea and enteritis (2 years of age and over).....	5								
120A. Diarrhoea and enteritis.....	5								
121. Appendicitis.....	18	2		1				3	1
122. Hernia, intestinal obstruction.....	25	1			1			2	
122A. Hernia.....	9	1			1				
122B. Intestinal obstruction.....	16							2	
123. Other diseases of the intestines.....	2		1						
124. Cirrhosis of the liver.....	10	2							
124B. Without mention of alcoholism.....	10	2							
125. Other diseases of the liver.....	2								
125B. Others under this title.....	2								
126. Biliary calculi.....	5								1
127. Other diseases of the gall-bladder and bile ducts.....	7	2		1				1	
129. Peritonitis without stated cause.....	4		1	1					
CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS									
Total.....	170	9	4	5	6	3	1	4	4
130. Acute nephritis.....	3								
131. Chronic nephritis.....	123	5	4	3	4	1	1	4	4
132. Nephritis unspecified (over 10 years of age).....	7								
133. Other diseases of the kidneys and ureters.....	6								
134. Calculi of the urinary passages.....	5					1			
135. Diseases of the urinary bladder.....	2								
136. Diseases of the urethra, urinary abscess, etc.....	1								
136A. Stricture of the urethra.....	1								
137. Diseases of the prostate.....	19	3			1				
139. Diseases of the female genital organs (non-venereal).....	4	1		1	1				
139A. Ovaries, Fallopian tubes and parametria.....	2			1	1				
139B. Uterus.....	2	1							
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE									
Total.....	16	3						1	1
142. Ectopic gestation.....	1	1							
142A. With mention of infection.....	1	1							
146. Haemorrhage of childbirth and the puerperium.....	4	1						1	
146A. Placenta praevia.....	3	1							
146B. Premature separation of placenta.....	1							1	
147. Infection during childbirth and the puerperium.....	4	1							1
148. Puerperal toxæmias—following delivery.....	3								
148A. Puerperal eclampsia.....	2								
148B. Others under this title.....	1								
149. Other accidents of childbirth.....	1								
149A. Laceration, rupture or other trauma of pelvic organs and tissues.....	1								
150. Other and unspecified conditions of childbirth and the puerperal state.....	3								
150B. Psychosis of the puerperal state.....	1								
150C. Others under this title.....	2								
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE									
Total.....	2								
152. Phlegmon and acute abscesses.....	1								
153. Other diseases of the skin and cellular tissue.....	1								
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT									
Total.....	1				1				
156. Diseases of the joints and other organs of movement.....	1				1				
156B. Others under this title.....	1				1				







OF 5,000 TO 10,000 POPULATION, ONTARIO, 1943—Continued  
YEAR 1941

Hawkesbury	Ingersoll	Kenora	Leamington	Leaside	Lindsay	Long Branch	Midland	Mimico	New Toronto	Orillia	Parry Sound	Port Colborne	Port Hope	Preston	Renfrew	Simcoe	Smith's Falls	Swansea	Thorold	Trenton	Waterloo	Weston	Whitby
1	2	1	1	3	1	3	1	3	2	2	2	1	1	3	3	2	1	1	1	1	1	1	1
1	2	1	1	3	1	3	1	3	2	2	2	1	1	3	3	2	2	1	1	1	1	1	1
			1	1					2		1	1			2								
					1						1	1			1		1					1	1
	1	1					1				1				1	1	1					1	1
	1	1			1		1			2						1	1						
12	5	7	8	3	6	1	13	6	5	5	1	6	14	1	1	4	2	1	4	2	1		
1	9	4	6	4	2	4	1	10	3	5	4	1	3	12	1	3	1	3	1	3	2	1	1
2	1	1	1	1	1	1	1	1	2	2	2	1	2	3	3	1	1	1	1	1	2	1	1
			1							1	2		1						1	1		2	
1	1									1	2		1		2					1			
1	1		1	3					1	1			2										
		1	3							1					1								
										1						1							
			3	1	2	2	2	2	2	1	1	3	3	3	3	2	2	1	1	4	2	4	
		3	1	2	2				2	1	1	3				3	2	1	1	1	4	2	4
				1	1				1	1						1	2	1	1	1	2	2	2
6	4	4	2	3	10	2	9	1	2	17	8	3	2	1	2	4	9	1	2	6	2	3	9
		1	1	2				1				1				1						1	
								1														1	
								1														1	
		1	1	2							1						1						
		1			1														1				
		1			1																		
																				1			
6	4	2	1	1	9	2	9	2	17	8	2	2	1	2	4	8	1	1	6	2	2	9	9
				1		1	2		4	2		1			1	2	2		1	1		1	1
2										2													
2						1	2		4			1				2	2				1	1	1
																1							
																					4		
					4				1														
					1																		
					2																		
1					1																		1

157  
 157A  
 157B  
 157C  
 157D  
 157E  
 158  
 159  
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 160A  
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 160C  
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 161A  
 161C  
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 162A  
 162B  
 163-164  
 163  
 163A  
 163B  
 164  
 164A  
 164B  
 164C  
 164D  
 166-168  
 166  
 168  
 169-195  
 169  
 170  
 170A  
 170B  
 170C  
 171  
 171B  
 172  
 173  
 175  
 175A  
 175B  
 175C  
 175E  
 176





TABLE 44—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES  
(As of Census)

CAUSES OF DEATH												
	Total	Belleville	Brantford	Brockville	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston
DEATHS—ALL CAUSES. Total.....	22,790	357	436	230	407	296	50	263	204	284	2026	559
CLASS I.—INFECTIOUS AND PARASITIC DISEASES												
Total.....	1096	18	17	11	22	14	.....	36	5	9	67	45
1. Typhoid fever.....	9	1	.....	.....	.....	1	.....	.....	.....	.....	2	.....
2. Paratyphoid fever.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5. Undulant fever.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6. Cerebrospinal meningitis.....	27	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....
8. Scarlet fever.....	17	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
9. Whooping cough.....	38	.....	.....	.....	1	.....	.....	.....	.....	1	1	1
10. Diphtheria.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11. Erysipelas.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12. Tetanus.....	6	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....
13-22. Tuberculosis.....	374	5	5	5	3	3	.....	27	.....	1	12	26
13. Tuberculosis of the respiratory system.....	289	2	3	2	2	1	.....	24	.....	1	8	24
13A. With mention of occupational diseases of lungs	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13B. Without mention of occupational diseases of lungs	285	1	3	2	2	1	.....	24	.....	1	8	24
13C. Unspecified site.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13D. With mention of dementia praecox	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14. Tuberculosis of the meninges and central nervous system.....	38	2	.....	3	.....	1	.....	2	.....	.....	.....	1
15. Tuberculosis of the intestines and peritoneum.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
16. Tuberculosis of the vertebral column.....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
17. Tuberculosis of other bones and joints.....	4	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
17A. Bones.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17B. Joints.....	3	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
19. Tuberculosis of the lymphatic system (bronchial, mesenteric, mediastinal and retroperitoneal glands excepted).....	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
20. Tuberculosis of the genito-urinary system.....	8	1	.....	.....	1	.....	.....	.....	.....	.....	2	.....
21. Tuberculosis of other organs.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22. Disseminated tuberculosis.....	9	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
22A. Acute generalized miliary.....	9	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
24. Purulent infection and septicaemia.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....
25. Gonococcus infection.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
27. Dysentery.....	9	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
30. Syphilis.....	176	.....	5	.....	3	2	.....	4	.....	1	14	6
30A. Locomotor ataxia (tabes dorsalis).....	26	.....	2	.....	.....	.....	.....	.....	.....	.....	3	.....
30B. General paralysis of the insane.....	25	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
30C. Other syphilis of the central nervous system.....	26	.....	.....	.....	.....	.....	.....	1	.....	.....	1	1
30D. Others under this title.....	99	.....	3	.....	3	1	.....	3	.....	1	10	5
32. Other diseases due to spirochaetes.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33. Influenza.....	321	7	2	5	14	7	.....	5	3	5	26	7
33A. With respiratory complications.....	239	4	1	5	11	4	.....	3	3	3	23	4
33B. Without respiratory complications.....	82	3	1	.....	3	3	.....	2	.....	2	3	3
35. Measles.....	16	1	.....	1	.....	.....	.....	.....	1	.....	3	.....
36. Acute poliomyelitis and polioencephalitis.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
37. Acute infectious encephalitis.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
38. Other diseases due to filterable viruses.....	5	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
38C. Chicken-pox.....	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
38D. Others under this title.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41. Hydatid disease.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43. Mycoses.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44. Other infectious and parasitic diseases.....	45	.....	1	.....	.....	.....	.....	.....	.....	.....	5	1
44B. Lymphogranulomatosis (Hodgkin's disease).....	40	.....	1	.....	.....	.....	.....	.....	.....	.....	1	4
44C. Mumps.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
CLASS II.—CANCER AND OTHER TUMOURS												
Total.....	3,456	37	55	25	62	32	14	37	36	41	310	93
45-55. Cancer and other malignant tumours.....	3,339	36	55	25	56	31	14	37	35	38	301	90
45. Cancer of the buccal cavity and pharynx.....	121	1	1	2	1	1	.....	.....	1	.....	10	3
46. Cancer of the digestive organs and peritoneum.....	1,571	21	23	13	29	10	5	24	16	18	155	41
46A. Oesophagus.....	85	1	2	1	.....	2	.....	2	1	.....	4	4
46B. Stomach.....	489	8	6	4	11	3	.....	6	4	7	52	14
46C. Duodenum.....	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
46D. Rectum and anus.....	232	4	4	3	1	1	1	5	2	2	24	7
46E. Intestines.....	496	8	6	3	10	3	3	4	6	6	48	12

OF 10,000 POPULATION AND OVER—ONTARIO, 1943  
Year 1941)

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Straitford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock		
461	1374	222	163	253	2053	243	187	415	281	398	378	284	283	278	366	155	8327	168	1280	209		
12	78	8	2	9	177	12	9	15	20	16	10	14	17	7	22	11	318	8	75	12		
	1					1									1	1	1				1	
	2																1				2	
	1																				5	
	2				2					1							19		1		6	
	1			1	8		1		1	1			1	1			8				8	
	1	1													2	1	10	1	6	1	9	
	1				1					1				1			1				10	
	1									1							1	1			11	
																	1				12	
2	10	2	1	2	94		2		9	1	1	3	5	1	7	4	99	1	37	6	13-22	
2	6	2		2	82				4		1	2	2	1	5	3	72	1	32	5	13	
																					13A	
2	6	2		2	82				4		1	2	2	1	5	3	72	1	31	3	13B	
																					13C	
																					2	13D
					4				3	1		1	1		1	1	14		3		14	
									2				1				3		1		15	
	2				6										1		1				16	
	1																2				17	
	1																1				17A	
																	1				17B	
														1					1		19	
			1		1												3				20	
	1				1		2										1				21	
	1				1		2										3				22	
1	1			1	1		1										3				22A	
					1												2		1		24	
					4	1			3	1							2		1		25	
1	24	2		2	16	2	1		3						5		70				27	
	5			1	4						2	1					11	1	10	1	30	
1	8				4												15				30A	
	5				1				3		1						10			6	30B	
	6			1	11	2	1			1	1				5		34		1	4	30C	
2	26	4		3	43	7	4	2	2	1	1	1			6	5	64		4	18	30D	
2	23	4		2	31	3	2	2	13	6	8	5	7	9	3	6	5		3	18	33	
	3	2		1	12	4	2	4	9	3	8	5	7	8	3	2	45	3	12	3	33A	
	4								3		1			1	1	3	19	1	6		33B	
1	1										1						2		1		35	
					2												3				36	
	1				1												2				37	
					1												2				38	
	1																2				38C	
																					38D	
1					2				1								1				41	
	2				3	1				2		3	1	1			19				43	
2	2				3	1			1	2		2	1	1			18				44	
									1			1					1				44A	
												1									1	44C
82	191	30	19	43	301	36	29	57	44	53	40	38	31	36	30	13	1421	14	180	26		
79	186	27	17	41	288	33	26	57	42	46	39	35	30	35	30	12	1383	14	175	26	45-55	
	5	2	1	1	11		2	1	1	2	2			1	4		65		4		45	
33	88	10	6	16	131	22	16	31	25	18	18	19	18	20	14	7	619	9	81		15	
2	5			1	4	1		1	1	1	1	1	2	1			40		6		46A	
13	21	3	1	6	47	7	6	10	12	5	5	8	6	6	7	2	175	4	22		46B	
	1																1				46C	
3	15	2	1	2	14	4	2	3	4	5		3	1		2		101		16		46D	
9	31	3	3	4	40	7	3	13	5	6	7	4	7	9	1	3	203	2	22		46E	

TABLE 44—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES  
(As of Census)

CAUSES OF DEATH	Total	Belleville	Brantford	Brockville	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston
46F. Liver and biliary passages.....	125	3	3	3	1	1	1	1	3	17	2	2
46G. Pancreas.....	117	1	2	4	1	1	7	2	8	1	1	1
46H. Mesentery and peritoneum.....	19	1	1	1	1	1	1	1	1	1	1	1
46N. Other and unspecified sites.....	5	2	4	4	1	2	5	1	3	18	7	7
47. Cancer of the respiratory system.....	248	2	4	4	1	1	2	5	1	3	18	7
47A. Larynx.....	40	1	1	1	1	1	1	1	1	3	11	1
47B. Lung.....	126	1	1	2	1	1	4	1	3	11	1	1
47C. Mediastinum and other sites.....	82	1	3	1	1	1	4	1	4	4	4	4
48. Cancer of the uterus.....	245	3	6	1	6	2	2	2	4	26	7	7
48A. Cervix.....	110	2	2	1	2	1	1	1	2	13	3	3
48B. Other and unspecified sites.....	135	1	4	1	4	1	1	2	2	13	4	4
49. Cancer of other female organs.....	110	3	3	7	7	5	1	1	1	6	4	4
50. Cancer of the breast.....	351	2	6	3	7	7	5	1	7	3	30	8
51. Cancer of the male genital organs.....	178	4	4	2	4	5	1	1	3	5	12	6
52. Cancer of the urinary organs.....	224	2	3	3	4	5	1	1	2	3	16	6
52A. Kidney.....	61	1	1	1	2	1	1	2	2	1	5	2
52B. Bladder.....	159	1	3	3	3	3	1	2	2	2	11	4
52C. Other and unspecified sites.....	4	1	1	1	1	1	1	1	1	1	1	1
53. Cancer of the skin.....	40	2	2	2	2	2	2	1	1	8	1	1
54. Cancer of the brain.....	58	1	1	1	1	1	1	1	1	3	2	2
55. Cancer of other and unspecified organs.....	193	2	3	1	3	1	3	2	1	17	5	5
56. Non-malignant tumours.....	90	1	1	5	1	1	1	1	3	6	3	3
56A. Ovary.....	13	1	1	1	1	1	1	1	1	2	2	2
56B. Uterus.....	37	1	1	3	1	1	1	1	2	2	2	1
56D. Brain and other parts of the central nervous system.....	22	1	1	1	1	1	1	1	1	2	1	1
56E. Other and unspecified organs.....	18	1	1	1	1	1	1	1	1	1	1	1
57. Tumours of undetermined nature.....	27	1	1	1	1	1	1	1	1	3	1	1
57A. Ovary.....	1	1	1	1	1	1	1	1	1	1	1	1
57B. Uterus.....	1	1	1	1	1	1	1	1	1	1	1	1
57D. Brain and other parts of the central nervous system.....	19	1	1	1	1	1	1	1	1	3	1	1
57E. Other and unspecified organs.....	6	1	1	1	1	1	1	1	1	1	1	1
CLASS III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES												
<b>Total</b> .....	899	14	22	10	17	10	1	7	8	16	91	13
58. Acute rheumatic fever.....	83	2	2	2	2	2	2	2	1	15	2	2
58A. Acute rheumatic heart conditions.....	76	2	2	2	2	2	2	2	1	14	1	1
58B. Others under this title.....	7	1	1	1	1	1	1	1	1	1	1	1
59. Chronic rheumatism and other rheumatic diseases.....	28	1	1	1	1	1	1	1	1	4	1	1
61. Diabetes mellitus.....	621	10	17	8	12	8	1	6	6	10	59	9
62. Diseases of the pituitary gland.....	5	1	1	1	1	1	1	1	1	1	1	1
63. Diseases of the thyroid and parathyroid glands.....	132	2	4	1	1	2	1	1	3	10	1	1
63A. Simple goitre.....	8	1	1	1	1	1	1	1	1	1	1	1
63B. Exophthalmic goitre.....	113	2	4	1	1	1	1	1	3	10	1	1
63C. Myxoedema and cretinism.....	5	1	1	1	1	1	1	1	1	1	1	1
63D. Others under this title.....	6	1	1	1	1	1	1	1	1	1	1	1
64. Diseases of the thymus gland.....	20	1	1	1	1	1	1	1	1	1	1	1
65. Diseases of the adrenal glands (Addison's disease).....	8	1	1	1	1	1	1	1	1	2	1	1
66. Other general diseases.....	1	1	1	1	1	1	1	1	1	1	1	1
66B. Others under this title.....	1	1	1	1	1	1	1	1	1	1	1	1
70. Rickets.....	1	1	1	1	1	1	1	1	1	1	1	1
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS												
<b>Total</b> .....	208	7	7	1	2	5	1	2	1	19	7	7
72. Haemorrhagic conditions.....	18	1	1	1	1	1	1	1	1	3	1	1
72A. Primary purpura.....	15	1	1	1	1	1	1	1	1	2	1	1
72B. Haemophilia.....	3	1	1	1	1	1	1	1	1	1	1	1
73. Anaemias.....	67	4	3	2	1	1	1	2	2	5	1	1
73A. Pernicious anaemia.....	47	2	2	1	1	1	1	2	2	2	1	1
73B. Others under this title.....	20	2	1	1	1	1	1	1	1	3	1	1
74. Leukaemias and aleukaemias.....	105	2	3	1	1	1	1	1	1	9	5	5
74A. Leukaemias.....	105	2	3	1	1	1	1	1	1	9	5	5



OF 10,000 POPULATION AND OVER—ONTARIO, 1943—Continued  
Year 1941)

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
5	8	1	...	1	13	1	5	2	1	1	2	1	1	1	1	1	42	1	6	1	
1	7	1	...	1	10	2	...	1	1	...	3	1	2	1	2	1	48	2	...	46F	
...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	7	...	2	46G	
5	15	3	...	3	16	1	1	3	6	1	...	3	...	1	2	1	22	...	19	46H	
2	5	1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	17	...	4	46M	
3	7	1	...	...	8	...	1	...	...	...	...	...	...	...	1	1	57	...	7	47	
...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	47	...	9	47A	
10	13	5	3	...	24	1	2	1	2	2	2	4	4	1	1	1	99	1	7	47B	
2	4	1	...	3	11	1	1	1	1	1	2	2	2	1	3	...	45	1	4	47C	
8	9	...	3	...	13	1	1	1	1	1	2	2	3	1	3	...	54	...	3	48	
4	7	...	...	...	10	1	1	6	1	3	2	1	...	1	1	1	131	1	5	48A	
6	21	6	2	...	30	4	2	8	6	6	8	5	6	6	1	2	48	...	20	48B	
7	12	1	1	...	17	1	1	5	...	2	3	2	3	1	2	1	70	...	4	49	
5	11	...	3	...	4	1	1	...	1	1	3	1	...	1	3	...	101	2	22	151	
1	5	...	2	...	15	1	...	...	1	1	1	...	...	1	1	...	28	...	2	152	
4	6	...	1	...	4	5	...	...	...	1	2	1	...	1	2	...	70	2	19	152A	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	1	52B	
2	1	...	1	...	4	...	...	1	...	1	1	...	...	...	...	13	1	...	...	52C	
1	3	...	...	1	1	...	...	...	...	2	1	1	...	...	...	33	...	...	...	53	
6	10	...	...	...	19	1	1	4	4	3	1	4	...	4	...	83	...	13	3	154	
2	5	3	2	...	9	1	3	...	1	6	...	3	1	1	...	26	...	4	...	55	
...	...	2	1	...	1	1	...	...	...	...	...	...	...	...	...	4	...	...	...	56	
1	2	1	1	...	4	...	2	...	...	4	...	3	...	...	...	6	...	2	...	56A	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	56B	
...	3	...	...	1	3	...	...	...	1	2	...	...	1	...	...	7	...	2	...	56D	
1	...	1	...	...	4	2	...	1	1	1	...	...	1	...	...	9	...	1	...	56E	
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	12	...	1	...	57	
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	57A
...	...	...	...	...	2	...	...	1	1	1	...	...	...	...	...	11	...	...	...	57B	
1	...	...	...	...	1	2	...	...	...	...	1	...	...	...	...	1	...	...	...	57D	
...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	57E	
21	50	13	7	8	78	11	7	17	4	14	12	14	13	7	11	6	326	9	56	6	
3	4	3	...	...	9	...	2	...	2	1	2	3	2	2	1	...	24	...	5	58	
2	4	3	...	...	7	...	2	...	2	2	1	3	2	2	1	...	24	...	3	58A	
1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	58B	
...	1	1	1	...	8	...	...	...	...	...	...	2	...	1	...	...	5	...	...	59	
15	33	7	3	7	44	9	1	13	4	9	10	6	8	2	8	3	240	7	40	6	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	61	
3	9	...	2	...	14	2	4	2	2	2	1	2	2	2	2	2	49	2	8	62	
...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	1	63	
3	8	2	...	...	10	2	3	1	...	2	1	2	2	1	2	2	40	2	7	63A	
...	...	...	...	...	3	...	...	1	...	...	...	...	...	...	...	...	1	...	...	63B	
...	...	...	...	...	1	...	1	...	...	1	...	2	...	...	...	...	4	...	...	63C	
...	2	1	...	1	1	...	...	2	...	...	...	...	...	...	...	1	...	...	...	63D	
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...	64	
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...	65	
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	66	
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	66B	
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	70	
3	13	3	4	2	12	1	2	1	3	3	4	2	2	3	4	2	83	...	9	...	
...	...	...	1	...	1	...	...	2	2	2	...	...	...	...	...	...	4	...	1	72	
...	...	...	1	...	1	...	...	2	2	1	...	...	...	...	...	...	3	...	1	72A	
1	3	...	...	...	...	...	1	1	1	1	...	3	1	2	1	...	...	...	...	72B	
1	3	...	2	...	3	...	1	1	...	3	3	1	...	1	1	...	28	...	2	73	
...	...	...	1	...	3	...	...	...	...	...	1	1	...	1	1	...	20	...	2	73A	
1	8	3	...	...	8	...	...	...	...	1	1	1	...	1	1	...	8	...	...	73B	
1	8	3	...	2	8	...	...	...	1	...	1	2	1	1	3	2	46	...	4	74	
1	8	3	...	2	8	...	...	...	1	...	1	2	1	1	3	2	46	...	4	74A	

TABLE 44—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES  
(As of Census)

CAUSES OF DEATH	Total	Belleville	Brantford	Brockville	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston
75. Diseases of the spleen.....	15	1	1			1						1
76. Other diseases of the blood and blood-forming organs.....	3											1
CLASS V.—CHRONIC POISONING AND INTOXICATION												
<b>Total</b> .....	24				1							1
77. Alcoholism.....	18				1							1
77A. Acute alcoholism.....	8											
77B. Chronic alcoholism.....	4				1							
77C. Others under this title.....	6											1
79. Chronic poisoning by other mineral and organic substances.....	6											
79A. Occupational.....	1											
79B. Non-occupational.....	5											
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS												
<b>Total</b> .....	2,482	30	49	22	42	37	8	24	25	36	203	57
80. Encephalitis (Non-epidemic).....	32	1	1	1				1			1	1
80A. Intracranial abscess.....	13										1	1
80B. Others under this title.....	19	1	1	1				1				
81. Meningitis (non-meningococcal).....	43											4
81A. Simple meningitis.....	36											3
81B. Acute cerebrospinal meningitis.....	7											1
82. Diseases of the medulla and spinal cord.....	62		2			2					1	2
83. Intracranial lesions of vascular origin.....	2,119	27	42	18	36	33	7	17	20	34	176	53
83A. Cerebral haemorrhage or effusion.....	787	12	12	1	15	8	3	7	4	9	48	16
83B. Cerebral embolism and thrombosis.....	157		2	1	2	2				2	19	7
83C. Cerebral softening.....	2							1				
83D. Hemiplegia and other paralysis of unspecified origin.....	87	3	4		4				2	1	3	1
83E. With mention of arteriosclerosis.....	1,086	12	24	16	15	23	4	9	14	22	106	29
84. Mental disorders and deficiency (general paralysis of the insane excepted).....	19			2	1						4	
84A. Schizophrenia (dementia praecox).....	4			1								
84B. Others under this title.....	15			1	1						4	
85. Epilepsy.....	29	1	1					2		1	3	
86. Convulsions (under 5 years of age).....	8											
87. Other diseases of the nervous system.....	123	1	3	1	2	1	1	2	4		6	1
87B. Neuritis.....	1							1				
87C. Paralysis agitans.....	41		2						3		2	1
87D. Disseminated sclerosis.....	69	1	1	1	1	1	1		1		4	
87E. Others under this title.....	12				1			1				
88. Diseases of organs of vision.....	6											
89. Diseases of the ear and of the mastoid process.....	41				2	1		2	1		7	1
89A. Otitis and other diseases of the ear.....	29				2			2	1		5	
89P. Diseases of the mastoid process.....	12					1					2	1
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM												
<b>Total</b> .....	7,242	81	159	76	97	52	19	71	84	100	689	135
90-95. Diseases of the heart.....	6,726	70	149	71	92	43	17	63	77	91	649	124
90. Pericarditis (acute rheumatic excluded).....	5											
90B. Others under this title.....	5											
91. Acute endocarditis (non-rheumatic).....	57	1				2		1	1		6	
91A. Bacterial endocarditis (acute, subacute or unspecified).....	45	1				2		1			4	
91B. Other acute or subacute endocarditis.....	7								1		2	
91C. Endocarditis (not specified under 45 years).....	5											
92. Chronic affections of the valves and endocardium.....	524	6	25	6	19	5	1	6	7	4	41	9
92A. Specific valvular diseases (rheumatic).....	224	1	9	3	8	4	1	2	3	2	13	6
92B. Other specified valvular diseases (non-rheumatic).....	222	4	10	3	5	1		2	3	2	27	3

OF 10,000 POPULATION AND OVER—ONTARIO, 1943—Continued  
Year 1941)

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
1	2					1	1			1							3			2	75
																	2				76
	2				3					1			1	1	2		12				
	1				1					1			1	1	2		9				77
	1				1										1		5				77A
																	2				77B
										1			1	1			2				77C
	1				2												3				79
	1				2												1				79A
																	2				79B
60	135	27	20	27	232	31	12	49	25	49	43	35	31	30	24	11	938	18	111	41	
1	2	1			5							1	1	2	1		10		2		80
1	2	1			2							1		2	1		3		1		80A
1	4			1	7					1		1		1	1		7		1		80B
	3				5							1		1	1		18	1	3		81
	1				2									1	1		18	1	2		81A
3	1			1	2												1		1		81B
47	118	25	19	24	187	29	10	42	22	44	42	29	24	26	20	10	799	12	91	4	82
16	41	6	9	6	58	5	5	12	12	29	10	12	3	10	7	4	351	4	34	18	83
2	12	1			12			1	2	3	4		1				66	1	13	3	83A
					2																83B
	7		1	2	19	2	1	2		1	1	2	2			1	24		3	1	83D
29	58	18	9	16	96	22	4	28	9	12	28	11	19	15	13	5	358	7	41	14	83E
1	1				1				1	1				1			5		1		84
1	1				1				1								5		1		84A
1	1				3	1		1	1	2		1	1	1			6	1	2	1	84B
1	1				1									1			5				85
5	6	1		2	12	1	2	4			1	2	2	2			54	2	5	2	86
1					6							1	2				16		1	1	87
3	6			1	5	1	1	1			1	1					32	1	4	1	87B
1	1			1	1												6	1			87D
1	1				1												6	1			87E
1	1				1												4				88
1	1				5			1					1				13	1	3		89
1	1				2			1				1			1		9	1	3		89A
					3												4				89B
126	467	73	49	77	585	66	65	129	110	124	101	75	95	86	68	42	2872	43	359	67	
118	421	67	44	71	534	53	63	119	100	113	90	70	91	84	61	39	2694	42	346	60	90-95
									1			1					3				90
									1			1					3				90B
2	1	1	1	2	5	1		1	1	2			1				22		6		91
2	1	1	1	2	4				2				1				19		4		91A
					1												2		2		91B
					1				1								1				91C
7	12	5	9	6	38	5	11	12	12	11	7	8	9	7	6	2	178	2	36	12	92
4	5	3	1	4	16	1		6	5	4	3	2	5	2	3	2	86	1	17	2	92A
3	6	1	8	2	19	4	3	6	6	4	3	5		5	2		62	1	15		92B



OF 10,000 POPULATION AND OVER—ONTARIO, 1943—Continued  
Year 1941)

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste. Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock	
69	243	31	18	26	286	26	39	78	35	66	51	22	52	51	34	25	1412	20	176	36	92C
1	1	1	1	2	1	1	3	1	1	1	1	1	1	1	1	1	10	3	5	5	93
1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	93A
2	5	1	1	1	12	1	1	3	4	1	1	3	2	2	3	1	46	1	7	2	93C
53	209	20	13	14	228	22	24	64	31	43	46	17	39	24	15	1222	17	140	140	26	93D
14	27	10	4	11	44	2	11	7	7	22	3	5	8	10	7	8	131	2	24	8	93E
38	128	27	13	35	195	15	11	27	45	29	30	39	29	22	17	12	992	20	113	7	94
38	126	26	13	35	191	14	11	27	45	29	30	39	29	22	17	10	984	20	112	7	94A
2	2	1	3	2	4	6	2	1	6	5	2	2	2	4	4	2	8	1	15	1	94B
2	37	3	3	2	10	6	2	1	6	5	2	2	2	4	4	2	87	15	5	5	95
2	15	1	1	1	1	2	2	2	2	1	1	1	1	1	2	9	51	1	12	1	95A
1	20	2	3	1	9	3	2	1	4	4	1	2	1	2	2	27	27	12	5	5	95B
1	1	1	1	2	2	1	1	1	1	1	1	1	1	3	2	7	7	1	1	1	95C
5	30	6	5	2	35	12	7	7	7	6	10	3	2	5	2	124	7	7	7	6	97
2	2	1	1	2	5	5	1	2	2	2	1	2	1	1	2	24	7	1	2	1	98
1	7	1	1	2	5	2	1	1	2	1	1	2	1	1	2	24	7	1	1	1	99
2	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	7	1	1	1	1	100
5	5	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	8	4	4	4	101
22	117	11	11	14	123	17	10	24	19	29	6	22	13	21	21	9	604	11	53	9	102
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	1	1	1	104
3	1	3	1	10	5	2	1	2	5	2	2	2	1	1	2	31	4	2	2	2	105
2	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	13	1	1	1	1	106
9	71	2	4	4	59	6	8	11	7	9	4	5	6	4	1	2	16	1	2	2	106A
6	16	4	2	6	29	3	1	2	7	10	1	9	5	8	4	5	141	3	20	3	106B
4	16	2	2	2	13	1	1	5	4	1	2	3	7	1	1	43	1	6	3	3	106C
1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	17	1	1	1	1	107
1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	12	1	1	1	1	110
2	3	2	2	5	1	1	1	2	1	2	1	1	1	1	1	5	34	1	1	1	110A
2	1	2	2	5	1	1	1	2	1	1	1	1	1	1	2	30	4	1	1	1	111
1	6	1	1	1	1	1	1	2	1	1	1	1	1	1	1	15	1	1	1	1	111A
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	1	2	1	111B
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	1	2	1	112
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	1	2	1	113
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	1	2	1	114
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	1	2	1	114A
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	1	2	1	114B
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	1	2	1	114C
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	1	2	1	114D
24	62	15	12	15	103	12	10	33	9	28	8	16	18	13	37	4	343	14	73	12	115
2	3	2	1	1	1	1	1	1	1	2	1	1	1	1	3	9	1	5	5	5	115A
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	115B
1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3	2	2	2	2	2	115C
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	115D
5	5	1	1	1	13	1	1	6	2	7	1	2	2	4	5	3	73	4	8	3	116
1	4	1	1	1	4	1	1	4	2	4	1	1	2	2	4	1	37	2	3	2	117
4	1	1	1	1	9	1	1	2	2	3	1	1	2	2	1	1	36	2	5	1	117A
1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	4	4	2	5	1	117B
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	2	5	1	118





TABLE 44—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES  
(As of Census

CAUSES OF DEATH	Total	Belleville	Brantford	Brockville	Chatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston
149. Other accidents of childbirth.....	15			1	1				1			1
149B. Other conditions of childbirth.....	15			1	1				1			1
150. Other and unspecified conditions of childbirth and the puerperal state.....	6				1	1					1	
150c. Others under this title.....	6				1	1					1	
<b>CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE</b>												
<b>Total.....</b>	<b>30</b>	<b>1</b>	<b>1</b>					<b>1</b>			<b>2</b>	<b>1</b>
151. Carbuncle and furuncle.....	6	1									1	
152. Phlegmon and acute abscesses.....	10							1			1	
153. Other diseases of the skin and cellular tissue.....	14		1									1
<b>CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT</b>												
<b>Total.....</b>	<b>29</b>			<b>2</b>	<b>1</b>		<b>1</b>	<b>1</b>		<b>1</b>	<b>3</b>	<b>1</b>
154. Osteomyelitis and periostitis.....	11				1						1	
155. Other diseases of the bones (tuberculosis ex- cepted).....	8			1				1			1	
156. Diseases of the joints and other organs of movement.....	10			1			1			1	1	1
105A. Diseases of the joints (tuberculosis and rheu- matism excepted).....	1											
156B. Others under this title.....	9			1			1			1	1	1
<b>CLASS XIV.—CONGENITAL MALFORMATIONS</b>												
<b>Total.....</b>	<b>428</b>	<b>16</b>	<b>14</b>	<b>4</b>	<b>6</b>	<b>13</b>		<b>3</b>	<b>2</b>	<b>4</b>	<b>49</b>	<b>14</b>
157. Congenital malformations.....	428	16	14	4	6	13		3	2	4	49	14
157A. Congenital hydrocephalus.....	85	3		1		5		2			5	3
157B. Spina bifida and meningocele.....	72	4	3			2		1		1	7	4
157C. Anencephalus.....	12	1							1		18	
157D. Congenital malformations of the heart.....	132	6	7	2	2	2					18	5
157E. Others under this title.....	127	2	4	1	2	2			1	3	19	2
<b>CLASS XV.—DISEASES PECULIAR TO THE FIRST YEAR OF LIFE</b>												
<b>Total.....</b>	<b>1,094</b>	<b>31</b>	<b>11</b>	<b>13</b>	<b>26</b>	<b>29</b>		<b>13</b>	<b>3</b>	<b>10</b>	<b>78</b>	<b>20</b>
158. Congenital debility.....	30	4				2		1			1	
159. Premature birth.....	650	17	7	7	14	21		10	1	5	36	14
160. Injury at birth.....	233	8	3	2	5	5		2		4	27	2
160A. Intracranial or spinal haemorrhage.....	98	1	1			2				2	14	
160B. Other intracranial or spinal injuries.....	9	2									3	
160C. Others under this title.....	126	5	2	2	5	3		2		2	10	2
161. Other diseases peculiar to the first year of life.....	181	2	1	4	7	1			2	1	14	4
161A. Asphyxia (unspecified), atelectasis.....	74			3	2	1			1		6	3
161B. Infection of the umbilicus, pemphigus and other infections.....	26	1	1		1						1	
161C. Other specified diseases peculiar to the first year of life.....	81	1		1	4				1	1	7	1
<b>CLASS XVI.—SENILITY</b>												
<b>Total.....</b>	<b>172</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>2</b>				<b>7</b>	<b>10</b>	<b>4</b>
162. Senility.....	172	4	3	1	5	2				7	10	4
162A. With dementia.....	20										1	1
162B. Without dementia.....	152	4	3	1	5	2				7	9	3









TABLE 44—CAUSES OF DEATH FOR CITIES, TOWNS AND VILLAGES,  
(As of Census

CAUSES OF DEATH	Total	Belleville	Brantford	Brookville	Clatham	Cornwall	Forest Hill	Fort William	Galt	Guelph	Hamilton	Kingston
195E. Other and unspecified objects. . . . .	56	2	1	1	1	1	1	1	1	1	7	2
196-198. OPERATIONS OF WAR AND LEGAL EXECUTIONS	2											
198. Legal executions. . . . .	2											
<b>CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH</b>												
<b>Total</b> . . . . .	35					2					5	1
199. Sudden death . . . . .	1					1						
200. Ill-defined and unknown causes. . . . .	34					1					5	1
200A. Ill-defined . . . . .	25										3	1
200B. Found dead. . . . .	3					1					1	
200C. Unknown or unspecified cause. . . . .	6										1	

#### CLASSIFICATION OF ACCIDENTAL DEATHS ACCORD

These accidental deaths are classified above according to circumstances involving the

Accidental absorption of poisonous gas. . . . .	33		3			1	1				2	2
Accidental burns. . . . .	65	3	1		3			1	2		2	4
Accidental mechanical suffocation. . . . .	21								1	1	1	1
Accidental drowning. . . . .	67	1	1		1	2		1	2	4	4	6
Accidental injury by cutting or piercing instruments	7	1							1			
Accidental injury by fall. . . . .	481	11	14	9	13	4		5	4	9	49	14
Accidental injury by crushing. . . . .	414	15	6	5	8	4		9	1	2	47	10
Accidents due to electric currents. . . . .	12		1					1			1	

OF 10,000 POPULATION AND OVER—ONTARIO, 1943—Continued  
Year 1941)

Kitchener	London	Niagara Falls	North Bay	Oshawa	Ottawa	Owen Sound	Pembroke	Peterborough	Port Arthur	St. Catharines	St. Thomas	Sarnia	Sault Ste Marie	Stratford	Sudbury	Timmins	Toronto	Welland	Windsor	Woodstock		
1	4	.....	.....	1	4	2	1	4	1	1	1	1	.....	2	1	.....	14	.....	1	.....	195E	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	196-
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	198
.....	.....	1	.....	2	3	2	1	1	.....	.....	1	.....	.....	.....	1	.....	10	2	3	.....	.....	.....
.....	.....	1	.....	2	3	2	1	1	.....	.....	1	.....	.....	.....	1	.....	10	2	3	.....	.....	199
.....	.....	.....	.....	2	3	2	.....	1	.....	.....	.....	.....	.....	.....	1	.....	10	2	1	.....	.....	200
.....	.....	.....	.....	2	3	2	.....	1	.....	.....	.....	.....	.....	.....	1	.....	10	2	1	.....	.....	200A
.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	200B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	200C

ING TO THE NATURE OF INJURY

accident under rubrics 169 to 176, 178, 180, 181, 182, 183, 185, 186, 187 and 193. /

.....	1	.....	.....	5	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....	.....	.....
.....	1	2	.....	6	2	.....	.....	.....	1	1	2	3	2	1	1	1	19	2	4	.....	.....	.....
.....	.....	.....	2	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	9	1	4	.....	.....	.....
1	1	1	.....	9	3	1	1	2	1	.....	2	1	1	2	1	16	1	5	.....	.....	.....	.....
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	2	.....	.....	.....	.....	.....
16	32	9	2	8	36	7	5	13	5	8	6	10	4	14	4	2	144	3	16	5	.....	.....
10	17	3	3	4	30	6	5	8	6	5	5	7	11	3	15	3	131	4	28	3	.....	.....
1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	4	.....	.....	.....	.....	.....









TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1943—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York		
...	...	...	...	1	...	...	2	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	38B		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	38C	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38D	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	42		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	143		
...	1	2	...	4	...	...	1	1	1	1	1	1	1	1	...	...	...	1	...	1	...	1	1	...	2	1	1	5	19	44		
...	1	2	...	3	1	...	1	1	1	...	1	1	1	...	...	...	...	1	...	1	...	1	1	...	2	1	1	1	4	18	44B	
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	1	44C	
49	14	81	6	247	28	26	35	36	93	74	27	21	77	69	29	24	16	72	9	126	49	39	85	26	42	160	97	86	358	1678		
48	14	73	5	240	28	24	34	34	89	71	26	20	75	69	29	23	16	67	9	121	48	38	83	25	42	156	92	81	348	1637	45-55	
4	1	5	...	7	...	1	1	1	3	...	2	2	2	1	...	...	1	5	...	6	1	4	1	...	...	4	6	2	12	72	45	
22	11	33	1	112	19	9	17	16	44	34	13	8	38	39	14	10	12	42	7	67	18	17	51	14	26	68	42	42	183	738	46	
2	...	...	...	5	1	...	1	2	2	1	...	2	2	1	...	...	1	1	2	2	1	4	...	...	...	...	...	...	...	...	42	46A
10	4	10	1	27	10	3	6	4	17	18	8	2	16	15	7	3	5	18	4	28	6	10	19	6	8	27	16	14	63	209	46B	
1	1	...	...	1	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	46C
3	2	5	...	15	3	2	1	2	4	1	2	1	...	4	1	2	...	2	1	8	3	2	9	3	2	5	6	4	27	116	46D	
5	3	11	...	43	1	3	6	6	10	9	2	3	14	15	5	3	7	...	7	12	5	1	9	3	9	21	10	14	58	245	46E	
1	1	4	...	11	3	...	2	2	5	4	1	2	3	2	1	...	4	10	1	6	2	1	1	2	5	9	3	6	21	54	46F	
2	...	2	...	10	1	1	1	1	3	...	...	...	...	...	...	...	...	4	...	11	...	2	9	...	1	3	6	1	8	2	57	46G
...	...	...	...	...	...	...	...	...	1	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	10	46H	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	46M	
...	...	6	...	21	2	...	1	3	5	3	2	...	2	...	...	2	1	4	...	4	1	4	8	1	9	6	5	19	135	47		
...	...	...	...	6	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	1	2	3	2	2	47A	
...	...	4	...	10	1	...	1	3	2	3	2	...	...	...	...	1	1	4	...	2	1	3	7	1	...	5	4	3	12	66	47B	
...	...	2	...	5	1	...	...	2	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	2	1	...	...	...	47	47C
3	1	4	...	17	2	4	3	3	6	4	4	...	3	1	5	3	...	2	...	8	1	4	3	1	1	13	7	6	30	120	48	
1	...	2	...	5	...	1	2	1	3	2	1	...	1	1	1	...	...	1	...	3	1	4	2	...	...	2	3	3	16	46	48A	
2	1	2	...	12	2	3	1	2	3	2	3	...	2	...	4	3	...	1	...	5	...	1	1	1	1	11	4	3	14	74	48B	
...	...	6	...	8	...	...	...	1	4	3	...	1	2	7	...	2	...	3	...	4	...	1	...	...	...	4	2	2	...	...	59	49
6	1	10	2	31	3	3	4	1	8	10	3	2	13	9	3	2	...	4	...	14	8	2	7	2	3	19	11	6	35	174	50	
3	...	2	2	14	2	1	5	4	5	4	1	3	6	6	3	1	1	2	...	7	5	3	1	1	4	13	8	9	14	78	51	
4	...	1	...	14	...	3	...	1	7	5	1	3	3	...	3	2	...	2	...	6	7	3	2	1	3	9	4	5	16	114	52	
1	...	...	...	5	...	2	...	1	1	1	...	...	...	...	...	...	...	2	...	4	3	1	1	...	2	1	2	1	...	32	52A	
3	...	1	...	9	...	1	...	6	4	1	3	...	3	...	2	2	...	...	...	2	4	2	1	1	1	8	2	4	11	79	52B	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	52C
2	1	2	...	4	...	...	...	3	...	...	...	...	1	1	...	...	...	2	...	1	1	...	...	2	6	4	1	10	17	53		
...	2	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	...	...	1	1	...	4	...	1	2	...	...	...	...	38	54
4	3	10	...	2	3	5	1	7	...	1	5	5	1	3	...	1	2	3	5	...	8	...	2	10	...	3	19	92	55			
1	6	6	...	2	1	2	4	1	1	1	1	...	1	...	1	4	...	1	...	5	1	1	1	...	3	4	5	6	28	56		
1	...	...	...	1	1	2	...	1	1	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	2	2	2	2	6	56A		
...	4	2	...	1	...	...	...	1	...	...	...	...	...	...	...	...	2	...	...	3	...	...	...	2	1	3	2	2	6	56B		
...	1	3	...	...	...	...	3	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	2	7	56D		
...	2	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	1	1	1	...	...	9	56E	
...	2	1	...	...	...	...	...	...	2	...	...	1	...	...	...	...	...	1	...	...	...	1	1	...	1	1	...	4	13	57		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57A	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57B	
...	1	...	...	...	...	...	...	...	2	...	...	1	...	...	...	...	...	1	...	...	...	1	1	...	...	1	4	12	57D			





TABLE 45—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark		
79. Chronic poisoning by other mineral and organic substances . . . . .	8					2																			1		
79A. Occupational . . . . .	2																								1		
78B. Non-occupational . . . . .	6					2																					
<b>CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS</b>																											
<b>Total</b> . . . . .	4799	3	49	81	53	253	27	43	22	51	87	152	82	18	35	95	38	3	31	95	92	15	96	83	47		
80. Encephalitis (non-epidemic) . . . . .	42		1	1		5					1	2	1				1			2					3		
80A. Intracranial abscess . . . . .	15					2						1	1							1					1		
80B. Others under this title . . . . .	27		1	1		3					1	1					1			1					2		
81. Meningitis (non-meningococcal) . . . . .	59					7	1					3		1			1		1	1				1	2		
81A. Simple meningitis . . . . .	52					5	1					2		1			1		1	1				1	2		
81B. Acute cerebrospinal meningitis . . . . .	7					2						1															
82. Diseases of the medulla and spinal cord . . . . .	113		1	3	1	11	1			4	1	7	1	1	2						3	1	1	1	1		
83. Intracranial lesions of vascular origin . . . . .	4113	3	39	70	47	208	23	35	22	44	80	125	78	16	26	84	33	3	27	87	83	11	83	69	45		
83A. Cerebral haemorrhage or effusion . . . . .	1439	2	5	21	9	66	14	1	6	16	26	45	21	6	1	26	9	1	7	39	40	5	30	18	7		
83B. Cerebral embolism and thrombosis . . . . .	255			4	3	12	2			3	3	15	9	2	3	4	1	1	1	1	11			2	6		
83C. Cerebral softening . . . . .	7					2																					
83D. Hemiplegia and other paralysis of unspecified origin . . . . .	171	1	5	5	2	20	2	3	1	3	1	3	1	1		3			1	8	6			5	3		
83E. With mention of arteriosclerosis . . . . .	2241		29	40	33	108	5	31	15	22	50	62	47	7	22	51	23	1	18	39	26	6	46	42	36		
84. Mental disorders and deficiency (general paralysis of the insane excepted) . . . . .	79				1	1	1					2				1				1				2			
84A. Schizophrenia (dementia praecox) . . . . .	18											1				1				1				1			
84B. Others under this title . . . . .	61				1	1	1					1								1				1			
85. Epilepsy . . . . .	77		2	1	1	3					1	2				3	1			1	2		2	1			
86. Convulsions (under 5 years of age) . . . . .	26		2									1			1					1	1		1				
87. Other diseases of the nervous system . . . . .	233		3	6	2	12		8		3	4	7	1	1	5	6	1		2	2	3	1	5	7	1		
87B. Neuritis . . . . .	6			1								1				1					1						
87C. Paralysis agitans . . . . .	81		2	2	1	6		2		2	1	1	1	1	2	2			1	1	1			2			
87D. Disseminated sclerosis . . . . .	123		1	3	1	5		6		1	3	5			4	4			1	1	2		4	3	1		
87E. Others under this title . . . . .	23					1																	1	2			
88. Diseases of organs of vision . . . . .	8					1										1											
89. Diseases of the ear and of the mastoid process . . . . .	49		1		1	5	1					3	1			1					1	1		2			
89A. Otitis and other diseases of the ear . . . . .	36		1		1	2	1					3				1					1	1		2			
89B. Diseases of the mastoid process . . . . .	13					3							1														
<b>CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM</b>																											
<b>Total</b> . . . . .	13810	26	159	255	171	689	99	66	49	115	215	502	226	57	72	270	81	12	110	213	215	52	237	245	158		
90-95. Diseases of the heart . . . . .	12700	23	151	233	152	634	94	63	43	108	190	480	210	54	58	235	69	12	104	197	194	47	221	207	136		
90. Pericarditis (acute rheumatic excluded) . . . . .	9																								2		
90A. Chronic rheumatic pericarditis . . . . .	1																										
90B. Others under this title . . . . .	8																								2		
91. Acute endocarditis (non-rheumatic) . . . . .	95		1			5					2	6	1			2	3			1		1		1	3		

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1943—Continued

Leeds	Lennox	Lincoln	Manitowlin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York
..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3 79
..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 79A
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 79B
56	11	77	12	194	39	39	33	41	104	105	31	36	81	66	20	29	23	57	13	192	59	39	60	28	58	124	101	102	248	1170
1	..	..	1	2	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	1	1	1	1	1	1	1	1	10 80
1	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	1	1	1	1	1	1	1	1	3 80A
..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	7 80B
..	..	..	..	6	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	18 81
..	..	..	..	5	..	1	..	1	1	..	..	..	1	..	..	..	..	1	..	2	..	1	1	1	1	1	1	1	4	18 81A
..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	1	..	..	1	81B
..	1	1	..	2	1	2	1	1	..	4	..	3	3	1	..	1	..	4	..	4	3	1	1	..	1	4	1	3	3	27 82
47	8	71	9	170	33	34	28	34	88	88	25	25	71	59	16	26	22	48	8	138	54	34	50	24	50	102	90	91	213	1012 83
6	1	37	3	62	6	13	8	13	27	36	6	8	27	21	7	10	7	17	2	40	17	13	26	13	22	30	24	29	62	425 83A
2	..	4	..	13	2	..	3	3	6	3	1	..	4	..	..	1	1	1	1	5	2	1	2	..	2	4	5	5	21	78 83B
..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	83C
..	..	2	..	7	4	6	..	2	6	3	6	3	..	2	1	..	1	4	2	3	..	1	1	..	2	2	1	3	3	32 83D
39	7	28	6	88	21	15	17	15	47	46	12	18	40	36	8	15	13	26	3	89	35	19	21	10	24	66	60	54	127	477 83E
6	1	1	..	4	..	..	..	1	11	1	..	..	1	..	..	1	..	..	..	23	..	..	1	..	2	1	..	1	8	7 84
4	..	..	..	1	..	..	..	..	4	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	2 84A
2	1	1	..	3	..	..	..	1	7	1	..	..	1	..	..	..	..	..	..	23	..	..	1	..	2	1	..	1	7	5 84B
..	..	2	..	2	1	..	..	1	5	2	..	..	..	1	2	..	..	1	3	14	..	..	3	..	1	3	2	4	10 85	
..	..	..	..	1	1	1	..	..	2	1	..	..	..	1	..	..	..	1	3	..	1	..	2	..	..	..	..	..	..	5 86
2	1	1	2	7	2	..	4	4	3	5	3	3	3	4	1	1	1	3	1	6	1	..	2	..	3	12	4	3	7	64 87
..	..	..	..	..	..	..	..	..	1	3	1	2	1	3	..	1	1	1	1	1	1	..	1	..	1	5	1	1	3	20 87C
1	1	1	1	7	2	..	3	2	1	2	1	1	1	1	..	1	1	1	1	2	..	..	..	1	2	6	1	1	4	38 87D
..	..	..	..	..	..	..	..	1	..	1	..	..	1	1	..	..	1	1	..	3	..	..	1	..	1	2	1	1	..	6 87E
..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	4 88
..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	1	1	2	..	1	2	1	..	7	13 89
..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	1	2	..	1	2	1	..	5	9 89A
..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	4 89B
199	53	213	38	668	67	112	123	152	246	240	56	141	219	208	66	101	36	211	37	333	102	133	211	71	123	339	252	263	890	3613
181	49	198	30	592	60	107	113	137	218	214	50	131	208	194	56	86	36	196	35	296	89	124	193	70	109	316	236	233	841	3387 90-95
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	1	..	..	3 90
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	1	..	..	90A
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..	3 90B
1	..	2	..	3	1	1	..	1	2	2	2	1	..	2	3	..	1	..	..	2	3	1	2	..	4	1	..	6	28 91	

TABLE 45—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Albama	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
91A. Bacterial endocarditis (acute, subacute or unspecified)	68		1			4					1	4	1				2			1				1	3
91b. Other acute or subacute endocarditis	15										1	2				1	1								
91c. Endocarditis (not specified under 45 years)	12					1										1						1			
92. Chronic affections of the valves and endocardium	1152	2	37	31	13	45	11	6	5	6	14	54	18	20	6	30	5		6	15	16	15	30	14	8
92A. Specified valvular diseases (rheumatic)	407		5	11	3	16	4	3		2	7	25	9	3	2	7			1	4	8	2	12	4	3
92B. Other specified valvular diseases (non-rheumatic)	523	1	14	12	9	25	2	3	1	3	5	20	8	10	4	14	1		3	8	5	13	11	8	2
92. Unspecified valvular lesions and endocarditis	222	1	18	8	1	4	5	4		1	2	9	1	7		9	4		2	3	3		7	2	3
93. Diseases of the myocardium	6834	14	70	124	101	331	41	29	27	66	97	235	120	24	26	141	37	7	64	112	100	18	104	92	78
93A. Acute myocarditis	86		1	4		1	1			5	10	7	1	1		1				2	1		4		
93B. Myocarditis (not specified under 45 years)	24					3		1					1	2	1	2				1					
93C. Chronic myocarditis and myocardial degeneration (traumatic)	201		3	3	3	12	1	1	1	1	2	7	1		1	7	1		3	1	4	3	4	1	1
93D. Chronic myocarditis (non-rheumatic)	5395	10	54	97	78	263	29	24	20	54	76	184	104	13	21	89	31	7	49	82	84	8	72	64	51
93E. Other myocarditis (not specified)	1123	4	12	20	20	52	10	4	6	6	9	37	13	8	3	42	5		12	26	11	7	24	27	26
94. Diseases of the coronary arteries and angina pectoris	4152	6	42	76	33	239	35	26	11	30	68	166	68	7	20	53	24	5	34	54	68	12	69	96	45
94A. Diseases of the coronary arteries	4031	5	40	73	33	234	32	23	11	25	65	161	65	2	18	52	22	5	33	52	65	11	64	95	44
94B. Angina pectoris	121	1	2	3		5	3	3		5	3	5	3	5	2	1	2		1	2	3	1	5	1	1
95. Other diseases of the heart	458	1	1	2	5	14	7	2		6	9	19	3	3	6	9				15	10	1	18	2	2
95A. Functional diseases of the heart (no organic lesion)	45				1	1	1			1	2	1			1	2				2	4	1	2		1
95B. Other diseases of the heart (rheumatic)	105				1	2					1	2			1	2					1		3		
95C. Other diseases of the heart (non-rheumatic)	308	1	1	2	3	11	6	2		5	6	16	3	3	5	6				13	5		13	2	1
96. Aneurysm (heart and aorta excepted)	19		1	1	1	2									1										
97. Arteriosclerosis (coronary or renal sclerosis or cerebral haemorrhage excepted)	878	2	5	19	16	37	3	3	6	6	24	15	12	3	12	31	10		6	14	20	1	11	33	20
98. Gangrene	37					6				1	1				1	2						1	1	1	1
99. Other diseases of the arteries	93		1	1	1	5						2	1		1	2				2	1	3	3	4	1
100. Diseases of the veins	41	1				4						1	3		1										
101. Diseases of the lymphatic system	2					1																			
102. High blood pressure (idiopathic)	40		1	1	1	1	1					4											1		
<b>CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM</b>																									
<b>Total</b>	2519	22	45	27	142	40	5	5	13	19	66	40	10	10	34	11		11	38	28	29	41	35	23	
104. Diseases of the nasal fossae and accessory sinuses	27					1		1	1															3	1
105. Diseases of the larynx	16		1																		1				2
106. Bronchitis	167		4	5	3	13	1	1		2		3	1			9	3			4	5	1	1	5	
106A. Acute	50		2	1	1	4	1					1	1			2	1			1			1		
106B. Chronic	90		1	4	2	6						2				5				2	5	1	1	4	
106C. Unspecified	27							1								2	2			1				1	
107. Broncho pneumonia	1117	10	19	11	71	27	4	1	5	11	29	26	2	4	14	1		5	12	8	5	20	10	11	
108. Lobar pneumonia	578	5	16	5	31	3	3	5	2	24	8	3	1	4	2			1	9	4	1	12	10	3	
109. Pneumonia (unspecified)	336		2	2	15	3				4	7	2	4	4	4	3		2	7	7	20	3	6	3	
110. Pleurisy	48		1	2	2	2				1					1				1					1	
110A. Empyema	29				2	1													1						
110B. Others under this title	19		1			1				1						1								1	
111. Haemorrhagic infarction, congestion, oedema and thrombosis of the lungs	130				4	5					1		2	1	1	2	1		1	3		2	4	1	1

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Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Teniskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York					
1	2	3	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	3	1	4	23	91A							
										1	2			1	1						1	1	1		1			2	2	91B					
														1	2							1	1	1					2	3	91C				
12	3	16	1	28	3	13	7	22	25	32	5	12	10	17	9	17	10	31	3	46	12	12	19	9	15	25	16	31	50	234	92				
7		6		8		2	1	19	10	6	1	3	4	7	2	5	2	1		11	7	4	8	3	6	11	7	12	15	108	92A				
5		4	1	16	2	8	3	3	12	18	1	8	6	9	5	3	7	15	3	31	4	6	8	1	7	11	6	18	33	87	92B				
123	30	113	10	341	28	55	60	74	109	126	30	78	133	121	30	48	10	109	25	142	48	62	84	35	43	180	124	121	534	1750	93				
1		1		1		1	3	1	1	2	1	1	4	1	2	9	1	15	4	1	2	3	5	2	3	3	1	7	14	93A					
													1	1				1	1	1	1	1	1		1			3	3	93B					
													7	3	1	2	1			6	5	4	6	2		5	4	6	11	58	93C				
105	21	74	9	274	21	38	49	55	92	84	23	58	103	101	23	31	6	73	19	112	23	41	73	28	33	130	95	78	454	1505	93D				
17	9	34	1	58	7	14	8	15	14	37	7	19	23	12	6	15	3	32	5	22	18	16	5	5	10	42	25	36	59	170	93E				
45	15	55	5	180	25	31	43	39	77	47	13	38	52	50	5	17	15	50	7	95	19	44	78	25	48	101	86	76	233	1251	94				
43	15	54	5	172	24	30	42	39	73	45	11	36	52	48	3	17	15	48	5	92	16	43	78	23	46	101	85	74	224	1242	94A				
2	1	12	14	40	3	7	3	1	5	7	2	2	13	4	8	4		2	2	3	3	1	2	2	2	1	2	9	9	94B					
																		6	11	7	5	9	1	2	6	8	5	18	121	95					
																					1	1	2	1	1	2					11	95A			
																					1	2	1	1	2							58	95B		
																					9	7	2	6	1	3	6	5	11	52	95C				
																					6	9	7	2	6	1	3	6	5	11		8	96		
17	4	10	7	58	5	5	10	13	24	24	5	9	7	11	7	14		12	2	28	9	6	13		13	17	14	25	35	165	97				
																					1	2										7	98		
1		1	1	7					2	1			2					1		6	1	2	4		3		1	6	26	99					
									1	1			1	2				1		2	2	1	1		3		1	5	10	100					
																																	1	101	
																																		9	102
31	3	43	3	151	14	20	15	28	70	36	17	11	45	31	21	13	16	30	9	72	40	39	43	18	15	43	51	28	168	701					
2	1	4	1	4			1	8					1	2	1						7	4				3	2	4	3	9	39	111			

TABLE 45—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Hamilton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark	
111A. Haemorrhagic infarction and thrombosis of the lungs.....	16				2								1				1									
111B. Others under this title.....	114				2		5				1		1	1	1	2			1		3		2	4	1	1
112. Asthma.....	54				2		1	1					1													
113. Pulmonary emphysema.....	2																									
114. Other diseases of the respiratory system (tuberculosis excepted).....	44			2		1	3					2								1				1		1
114A. Silicosis.....	9			1			1																			1
114B. Other and unspecified forms of pneumoconioses.....	1			1																						
114C. Gangrene of lung.....	1																									
114D. Others under this title.....	33					1	2					2								1				1		
<b>CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM</b>																										
<b>Total.....</b>	<b>1640</b>	<b>1</b>	<b>21</b>	<b>25</b>	<b>19</b>	<b>111</b>	<b>20</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>13</b>	<b>84</b>	<b>50</b>	<b>1</b>	<b>6</b>	<b>22</b>	<b>7</b>	<b>1</b>	<b>2</b>	<b>44</b>	<b>18</b>	<b>12</b>	<b>35</b>	<b>27</b>	<b>14</b>	
115. Diseases of the buccal cavity and annexa, and of the pharynx and tonsils.....	64			1	1	1	3			1		6	1								1	1	1	1	1	1
115A. Diseases of the teeth and gums.....	6						1					1														
115B. Septic sore throat.....	23			1								2	1								1			1		
115C. Diseases of the pharynx and tonsils.....	30				1	1	1			1		3										1	1		1	
115D. Others under this title.....	5						1																			1
116. Diseases of the oesophagus.....	8									1	1															1
117. Ulcer of the stomach or duodenum.....	264		2	3	4	15	3	1		2	3	11	8		2	4	2	1			5	2	1	4	3	2
117A. Stomach.....	127		1	1	3	6	2			1	4	3	2	1	2	1					4	1		2	1	1
117B. Duodenum.....	137		2	2	1	9	1	1		2	2	7	5		3						1	1	1	4	1	1
118. Other diseases of the stomach.....	34					1	5								1					2						
119. Diarrhoea and enteritis (under 2 years of age).....	199		8	2	2	11	4		2		1	18	9		1	2	1				10	1	2	3	3	1
119A. Diarrhoea and enteritis.....	199		8	2	2	11	4		2		1	18	9		1	2	1				10	1	2	3	3	1
120. Diarrhoea and enteritis (2 years of age and over).....	63				1	6						3	3		1		1			1	1					1
120A. Diarrhoea and enteritis.....	39					5						1	1		1		1			1	1					1
120B. Ulceration of the intestines.....	24				1	1						2	2													
121. Appendicitis.....	199		5	5		12	4					8	5		5					1	2	3	3	7	6	3
122. Hernia, intestinal obstruction.....	340		1	7	5	22	3	1		3	3	12	11				5	1			7	6	3	10	6	2
122A. Hernia.....	15		1	6	4	10		1		2	3	6	2		2						4	3	2	4	3	1
122B. Intestinal obstruction.....	181			1	1	12	3			1		6	9		3	1					3	3	1	6	3	1
123. Other diseases of the intestines.....	53					3						4	1		1											1
124. Cirrhosis of the liver.....	151	1	1	2	3	13					2	10	5		1	2					4		1	1	3	4
124A. With mention of alcoholism.....	11											1	1								1					
124B. Without mention of alcoholism.....	140	1	1	2	3	13					2	9	4		1	2					3		1	1	3	4
125. Other diseases of the liver.....	33					4							3			1					3			1		
125A. Acute yellow atrophy.....	8					1										1					1					
125B. Others under this title.....	25					3							3								2			1		
126. Biliary calculi.....	100		3	3		8	1			1	2	10	3	1		1					4	3		2	2	
127. Other diseases of the gall-bladder and bile ducts.....	87		1	1	1	8	2					2				1	1				4	1	1	4	2	
128. Diseases of the pancreas.....	20			1		3							1								1					
129. Peritonitis without stated cause.....	25				1					1												1		1		
<b>CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS</b>																										
<b>Total.....</b>	<b>2559</b>	<b>3</b>	<b>24</b>	<b>30</b>	<b>35</b>	<b>168</b>	<b>26</b>	<b>6</b>	<b>13</b>	<b>21</b>	<b>27</b>	<b>191</b>	<b>70</b>	<b>5</b>	<b>22</b>	<b>27</b>	<b>13</b>	<b>3</b>	<b>14</b>	<b>71</b>	<b>38</b>	<b>10</b>	<b>52</b>	<b>48</b>	<b>24</b>	
130. Acute nephritis.....	54			2		1	2				1	4	2			2	2				2	2			1	1



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Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Teniskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York				
2	1	3	1	3	8	1	1	8	2	1	1	1	1	2	1				1	1	4	1	1	3	2	4	3	2	7	6	111A			
									1																				1	18	111B			
																														1	1	113		
				1	2				1				3	1					1			1		2	1					17	114			
				1	1								1																1	1	114A			
																																114B		
					1				1				2	1					1			1			1				2	15	114C			
																																114D		
17		33	7	75	11	25	11	5	30	25	12	6	21	38	19	6	5	17	5	30	22	43	24	7	16	42	41	16	90	395				
	1	2	4	2	1			1		2		1								3		3	1	1		2	2	2	5	11	115			
				2																												115A		
				1	2				1											3						1	1	1	2	3	115B			
	1	2	1		1					1		1											3						1	2	7	115C		
											1																		1	1		115D		
																															4	116		
1	7	2	8		3			4	6	2	2	4	8				2	2	1	5	3	5	4	1	4	10	5	2	9	86	117			
1	4	1	6		3			2	4	1	2	2	6				2	2	1	1	1	4	1	1	3	3	2	2	7	40	117A			
	3	1	2					2	3	1	2	2	2				2		4	2	1	3	1	4	7	3	2	2	46	117B				
																																6	118	
3	2	2	10	5	8	3		1	2	1	1	1	6	7					2	1	3	6	18	3	1						119			
3	2	2	10	5	8	3		1	2	1	1	1	6	7					2	1	3	6	18	3	1						119A			
		2	2	1	1			2		1	1									2		2	1			2		1	2	23	120			
		1	2	1	1			2		1	1									2		2				2		1	2	120A				
		1	1																													13	120B	
1	5	6	3	3	1	1	3	2	2			1	5	1	1	2	6	7		7	2	3	5		1	4	6	3	17	39	121			
3	6	23	1	8	1		7	4	4			4	7	4	4				3	5	6	4	2	1	5	12	9	5	20	84	122A			
1	4	9	2				2	3	1			1	5	2					3	4	1	1	1	1	2	6	4	1	13	40	122A			
2	2	14	1	6	1		5	1	3			3	2	2	4				3	2	2	3	1	1	3	6	5	4	7	44	122B			
		1	1				1	1	2		1	1	2	1	2	1				1	2	1	3		5					3	22	123		
		2	7				4	1				1	2	3	1				1	2	1	3		2	3	7	3	11	37	124				
																																	4	124A
3	2	7			1		3	1				1	2	3	1				1	2	1	2	3	2	3	7	3	9	33	124B				
			1		1		1	1												1		1		1					2	10	125			
				1		1		1																							5	125A		
			8	1			2	1																						2	5	125B		
2			1				2	1					2	4					1	1		1	2	1		1	4	3	22	126				
2	4	2	1		1		2	3					5	1	1				1	1	2	1	1		1	4		5	19	127				
1																														9	128			
		2	1		2		1		1			1								1				2						1	6	129		
40	7	22	3	142	9	17	15	25	38	32	21	15	45	34	44	26	10	33	15	84	55	39	26	18	16	66	50	52	146	473				
		1		2		1		2		1					1									3	1	2		1			11	130		





TABLE 45—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora incl. Patricia	Kent	Lambton	Lanark	
149B. Other conditions of child-birth.....	16					1							1	1		1									1	
150. Other and unspecified conditions of childbirth and the puerperal state....	11																									1
150B. Psychosis of the puerperal state.....	1																									1
150C. Others under this title.....	10																									1
<b>CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE</b>																										
<b>Total</b> .....	41			1		1				1	1	1	1				1	1			1					1
151. Carbuncle and furuncle....	7																				1					
152. Phlegmon and acute abscesses.....	18									1	1						1	1								1
153. Other diseases of the skin and cellular tissue.....	16			1		1						1	1													
<b>CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT</b>																										
<b>Total</b> .....	38		1			4					1	2	1									1		2		
154. Osteomyelitis and periostitis.....	15					1					1	2										1		1		
155. Other diseases of the bones (tuberculosis excepted).....	10					3																				
156. Diseases of the joints and other organs of movement.....	13		1										1												1	
156A. Diseases of the joints (tuberculosis and rheumatism excepted).....	1																									
156B. Others under this title.....	12		1										1												1	
<b>CLASS XIV.—CONGENITAL MALFORMATIONS</b>																										
<b>Total</b> .....	680	1	4	15	3	39	12	4	4	4	5	36	16	2	1	12	4		3	21	9	4	7	12	6	
157. Congenital malformations.....	680	1	4	15	3	39	12	4	4	5	36	16	2	1	12	4		3	21	9	4	7	12	6		
157A. Congenital hydrocephalus.....	140		2			8	3			1	1	8	3			2				4	3					2
157B. Spina bifida and meningocele.....	126			3		8	6	1	1			5	5	1	2				1	6			2	2		2
157C. Anencephalus.....	19					2						1								1						2
157D. Congenital malformations of the heart.....	213	1	1	8	2	9	2	2	1	2	17	6				5	1		1	8	2	1	3	6	3	
157E. Others under this title.....	182		1	4	1	12	1	1	1	2	5	2	1			5	1		1	2	4	3	2	2	1	
<b>CLASS XV.—DISEASES PECULIAR TO THE FIRST YEAR OF LIFE</b>																										
<b>Total</b> .....	1719	5	29	19	17	103	55	5	5	12	17	101	22	9	5	26	4	1	3	53	18	16	31	24	9	
158. Congenital debility.....	67		2		2	2	2				1	4			1		1			6				1	1	
159. Premature birth.....	1052	5	17	13	12	67	27	3	4	9	10	65	16	8	4	13	3	1	2	34	10	10	18	16	4	
160. Injury at birth.....	359		6	4		21	15	2	1	2	3	14	2		1	12	1		1	9	5	4	5	6	3	
160A. Intracranial or spinal haemorrhage.....	150		5	1		9	4	2		1	1	4				6				1	4	3		2	1	
160B. Other intracranial or spinal injuries.....	16						1	1				1								2						
160C. Others under this title.....	193		1	3		12	14			1	2	9	2		1	6	1		1	6	1	1	5	4	2	
161. Other diseases peculiar to the first year of life.....	241		4	2	3	13	7			1	3	18	4							4	3	2	8	1	1	

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Leeds	Lennox	Lincoln	Manitowlin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York		
1	2					2	1		1				1						1						2					3	149B	
									1									1			1				1		1			1	150	
						2	1		1									1							1		1			1	150B	
																		1							1		1			1	150C	
1	2	3						1			1	1	2									1	2				1	1	2	14		
		1							1														1					1			3	151
	2								1			1											2					1	1		5	152
		2											1	2													1				6	153
2	1	2	1			1			2											1			1				1	1	4	10		
		1	2																										2		4	154
1									1														1				1				2	155
1						1			1												1							1	1		4	156
1						1			1												1							1	1		1	156A
																														3	156B	
6	7	1	31	2	10	6	5	7	8	3	5	11	6	5	2	6	11	4	15	13	26	7	12	5	12	15	5	50	164			
6	7	1	31	2	10	6	5	7	8	3	5	11	6	5	2	6	11	4	15	13	26	7	12	5	12	15	5	50	164	157		
1		1	6	3		1	1	1	1	1	1	4	1	1		4	7	1	3	5	5	3	4		3	4		5	38	157A		
1			3	2	2	3	3	3	3	1	3	2				1	1					4	5	1	2	2	1	4	1	7	31	157B
			1	2							1															1	1				4	157C
2	5	13	1	2	1	1	2	2	2	1	1	4	2	2			3	2	4	2	8	2	4	2	2	5	4	18	39	157D		
2	2	8	1	1	3		1	2				1	3	2		1	1	1	7	2	8	1	2	1	2	2	4	20	52	157E		
17	1	26	5	51	4	38	16	3	19	23	11	6	16	21	34	7	16	43	19	49	36	86	30	32	5	34	31	25	79	347		
1	4					6	1				1		1	2		1		4	1	3	2	3	1	2		1			1	9	158	
9	9	2	39	3	22	13	2	8	15	6	4	6	12	25	2	9	24	12	2	29	4	11	3	25	64	26	20	19	15	36	204	159
3	1	10	3	8	8	1	1	8	5	2	2	6	3	7	2	4	10	1	11	7	7	11	2	9	3	8	8	9	27	58	160	
		8	8	1	1			2	3		1	3			1		3		6	4	4	4	4	4	1	3	3	5	14	31	160A	
		1			7			1	6	2	2	1	3	3	6	1	4	7	1	5	3	7	2	5	2	5	5	4	10	3	5	160B
3	1	2																												22	160C	
4	3	4	1	2	1			3	3	2		4	5		2	3	5	5	6	2	8	1	1		7	3	1	15	76	161		

TABLE 45—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algonia	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Haliburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
161A. Asphyxia (unspecified), atelectasis.	106		1		2	6	2				1	8	3								2	2	2	1	
161B. Infection of the umbilicus, pemphigus and other infections.	30			1	1	1	2					1									1		1		
161C. Other specified diseases peculiar to the first year of life.	105		3	1		6	3			1	2	9	1								1	3	5		1
CLASS XVI.—SENILITY																									
<b>Total</b>	441		3	7	8	25	3	6		13	7	14	5	2	1	12	6		2	9	15	4	15	11	5
162. Senility.	441		3	7	8	25	3	6		13	7	14	5	2	1	12	6		2	9	15	4	15	11	5
162A. With dementia.	46							2			2	2	1		1	3	2								3
162B. Without dementia.	395		3	7	8	25	3	4		13	5	12	4	2		9	4		2	9	15	4	15	11	2
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS																									
<b>Total</b>	2912	3	40	51	33	137	59	15	6	21	43	129	71	10	8	45	31	6	18	62	45	44	58	47	20
163-164. Suicides.	316		4	5	2	7	9	2	1	2	3	22	8	1		4	5		1	2	7	2	6	3	3
163. Suicide by poisoning.	85					1	3	1				3				1	1				1	1	1		
163A. By corrosive substances, solid and liquid poisonings.	49					1	3					1				1	1				1		1		
163B. By poisonous gas.	36						1					2									1				
164. Suicide by other means.	231		4	5	2	6	6	1	1	2	3	19	8	1		3	4		1	2	6	1	5	3	3
164A. By hanging or strangulation.	75		1	2	2	3		1		1	3	5	2	1		2	2				1			1	1
164B. By drowning.	39		3	1		2						4				1					1		3		1
164C. By firearms or explosives.	64			1			5			1		7	5			1	1		1	1	2	1	1		1
164D. By cutting or piercing instruments.	27						1					3	1							1	1			1	
164E. By jumping from high places.	14						1																1		
164F. By crushing.	8																							1	
164G. By other or unspecified means.	4																				1				
166-168. Homicides.	44					4	4					4								1	1				
166. Homicide by firearms.	7						2															1			
167. Homicide by cutting or piercing instruments.	3																			1					
168. Homicide by other or unspecified means.	34					4	2					4													
169-195. Accidental deaths.	2550	3	36	46	31	126	46	13	5	19	40	101	63	9	8	41	26	6	17	59	38	41	52	44	17
169. Railway accidents (excluding motor vehicles).	78		5			1	2		2	1	2	1	2			3				3		1	2		2
170. Motor vehicle accidents.	563		7	8	5	26	5	3		5	6	32	12	2		9	1		2	19	3	5	13	14	3
170A. Collisions with trains.	38					1				1	1	3								3		1	1		
170B. Collisions with street cars.	11					1																			
170C. Automobile accidents (excluding trains or street-cars).	505		7	8	5	24	5	3		4	5	29	11	2		9	1		2	16	3	4	12	14	3
170D. Motorcycle accidents (excluding automobiles).	9												1												
171. Street-car and other road transport accidents.	45			1	1	3				1			1							1	1		1		1
171A. Street-car accidents (excluding trains and motor vehicles).	27					2																			
171B. Others under this title.	18			1	1	1				1			1							1	1		1		1
172. Water transport accidents.	67		1	4	1	1	1	2		1	3	4	2	2	2	2			3	6		6			
173. Air transport accidents.	145			5	2	5			1		10	4	7			1	14			1	6	1			
174. Accidents in mines and quarries.	30						12														2				
175. Agricultural and forestry accidents.	90		2		1	2	6	2		2	1	3	1	1	1	1	1			3	5	2	2		1

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1943—Continued

Leeds	Lennox	Lincoln	Manitoulin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York		
3	..	2	..	1	..	1	...	..	1	2	1	...	1	2	...	1	3	4	3	3	1	6	1	...	4	1	...	7	31	161A		
..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	18	161B		
1	..	1	..	2	1	1	1	...	1	1	1	...	3	3	..	1	2	2	1	3	1	2	..	1	...	3	2	1	7	27	161C	
5	5	12	3	20	..	10	9	2	11	8	4	1	6	9	5	2	5	3	..	23	8	5	..	2	3	9	7	17	11	63		
5	5	12	3	20	..	10	9	2	11	8	4	1	6	9	5	2	5	3	..	23	8	5	..	2	3	9	7	17	11	63	162	
1	1	1	1	1	..	..	..	..	3	3	2	..	1	5	5	2	5	3	..	2	2	..	..	..	1	1	1	1	11	162A		
4	4	11	2	20	..	10	9	2	8	5	2	1	5	9	5	2	5	3	..	21	8	5	..	2	2	8	7	16	10	52	162B	
30	6	52	8	98	23	24	19	21	52	42	31	25	42	42	26	31	14	36	15	97	18	80	69	31	17	61	79	56	169	596		
4	..	8	..	11	3	3	4	..	3	3	2	4	3	2	1	..	2	2	..	8	2	7	13	4	1	7	10	7	13	90	163-	
1	..	1	..	3	1	..	2	..	..	..	..	..	1	1	1	..	..	1	..	2	1	1	1	2	1	1	2	5	6	38	163	
1	..	1	..	1	1	..	2	..	..	..	..	..	1	1	1	..	..	1	..	2	1	..	1	2	1	1	1	4	4	13	163A	
..	..	..	..	2	2	..	..	..	3	3	2	4	2	1	..	..	2	1	..	6	1	6	12	2	..	6	8	2	7	25	163B	
3	..	7	..	8	2	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	52	164	
1	..	1	..	5	..	1	..	..	1	1	1	1	1	..	..	..	1	1	..	5	1	4	3	1	..	1	3	1	3	13	164A	
1	..	1	..	1	1	..	1	..	1	1	1	2	..	..	..	..	..	..	..	..	1	1	3	..	..	2	1	1	1	1	5	164B
1	..	1	..	2	1	1	1	..	1	1	1	1	2	1	..	..	1	..	..	1	..	1	1	1	..	1	2	..	2	14	164C	
..	..	4	..	1	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	1	1	..	..	..	5	164D
..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	11	164E
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	164F	
..	..	2	..	1	..	1	..	..	..	..	..	..	..	1	..	..	1	1	..	..	..	1	1	..	..	..	1	..	1	1	164G	
..	..	2	..	1	..	..	1	..	..	..	..	..	..	1	..	..	1	1	..	..	..	1	1	..	..	..	2	..	1	17	166-	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	166
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	167
..	..	2	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	2	..	1	14	168	
26	6	42	8	86	20	21	14	21	49	39	29	21	39	39	25	31	11	33	15	89	16	72	55	27	15	54	67	49	155	489	169-	
1	..	1	..	1	1	..	1	2	..	1	1	1	..	1	..	..	1	..	1	1	1	10	6	..	1	4	..	2	13	169		
5	1	10	2	23	2	5	4	3	11	8	5	4	..	8	3	2	1	7	2	22	2	13	13	5	1	14	15	9	59	124	170	
..	..	2	..	..	..	1	..	2	1	2	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	2	..	14	1	170A	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	3	5	170B	
5	1	8	2	23	2	5	3	3	9	7	3	4	..	7	3	2	1	6	2	19	2	12	11	5	1	13	12	9	42	116	170C	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	2	..	1	..	..	..	1	..	..	..	..	2	170D
..	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	1	..	..	..	1	26	171	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	24	171A	
..	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	1	1	1	..	..	..	2	..	..	..	..	..	..	2	171B
1	2	3	..	4	..	3	2	1	3	..	3	1	..	2	10	12	..	7	2	16	..	3	5	..	..	3	3	1	3	172		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	1	8	..	..	..	..	..	..	174	
..	1	..	..	7	..	2	..	1	..	3	1	1	3	2	2	..	..	1	..	2	1	5	2	2	5	..	2	2	3	6	175	

TABLE 45—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algoma	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glengarry	Grenville	Grey	Haldimand	Hamburton	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark	
175A. Accidents involving agricultural machinery and vehicles	27				1		1				1	1			1	1					1	2		1		1
175B. Injury by animals, in agriculture	25					2		1			1		1				1				2	1				
175C. Other agricultural accidents	16							1					2									2	1	1		
175D. Accidents involving forestry machinery and vehicles	6																									
175E. Other forestry accidents	16		2				3																1			
176. Other accidents involving machinery	29		1	1		1							2							1						1
178. Accidental absorption of poisonous gas	39			4	1	5		1					2										1			1
178A. Coal and illuminating gas	12							1																		1
178B. Motor vehicle exhaust gas	7													1												
178C. Other carbon-monoxide gas	20			4	1	5						1														
179. Acute accidental poisoning by solids or liquids	28		1	1		3					1	2	1	1												1
180. Conflagration	55		1	1	2	3	3					6					3				1	1				1
181. Accidental burns (conflagration excepted)	76		3	1	2	3	1				2	3	3	1	2						3	2	1	3	3	1
182. Accidental mechanical suffocation	58					2	1						6	1		1				2	3		3			2
183. Accidental drowning	234		3	3		14	7			1	3	13	10		1	3	2	4		3	1	1	10	10	2	1
184. Accidental injury by firearms	33	1				2	1					2				1					2		3	1		
185. Accidental injury by cutting or piercing instruments	11				1	1	1															1	2			
186. Accidental injury by fall or crushing	743		7	17	13	39	1	6	3	8	7	21	15	3	1	17	2	1	4	10	14	4	16	16	8	8
186A. Accidental injury by fall	714		5	17	13	37	1	6	3	8	6	20	14	3	1	16	1	1	4	10	13	4	16	16	8	
186B. Accidental injury by crushing	29		2			2					1	1	1			1	1					1				
188. Injury by animals	3																									
189. Hunger or thirst	1						1																			
190. Excessive cold	11					1					1			1									1			
191. Excessive heat	9					1	1					1				1							1			
192. Lightning	8					1																		1		
193. Accidents due to electric currents	24		1	1		1						1											1		2	
194. Attack by venomous animals (non-occupational)	1																									1
195. Other accidents	169		1	2	2	11	2	1	1	2	3	3	3	2	3						3	4		2	2	
195A. Sequelae of preventive immunization, inoculation or vaccination	1																									
195B. Other accidents due to medical or surgical intervention	1																									
195C. Lack of care of the newborn	3																									
195D. Obstruction, suffocation or puncture by ingested objects	50			1	2	6	1			1	2															1
195E. Other and unspecified objects	114		1	1		5	1	1	1	1	1	3	3	2	3						3	4		2	1	
OPERATIONS OF WAR AND LEGAL EXECUTIONS																										
196-198. Legal executions	2											2														
CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH																										
Total	96			2		3				1	1	4	2	2		5	1				1	4	10	2	1	
199. Sudden death	10			2						1		1		1								1			1	



TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1943—Continued

Leeds	Lennox	Lincoln	Manitowlin	Midlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York			
				2				1		2	1	1	1	2							1	1					1	1		2	175A		
	1			3						1	1		1	1				1		1					2				1	3	175B		
				2																	1	1			2		1	1	1	1	175C		
						1							1										2								175D		
						1							1										2	2	2	1				1	175E		
	1		1	1	1	1								1	1	1						2	1	1	1	1	2		2	7	176		
				1				1		1			1									1							3	16	178		
													1																	10	178A		
				1						1																			1	2	178B		
								1					1									1							2	4	178C		
	1								1								1			1	2		1						1	6	179		
			2	2	2				2	1	8			1	2	2					1							1	2	9	180		
	1			2				1	2	1	1		2								1	4	1				1	4	2	2	17	181	
			1	1	1				2		4	1	3									2		1			3	1	1	17	182		
3	7	2	4	7	4	4	2	5	1	4	3	4	1	3	4	5	2			2	5	7	2	11	5	2	1	5	10	4	8	17	183
1		1	1	1	4					1	1			1							5						2	1	2	3	184		
									1																				1		2	185	
11	2	11	1	35	1	5	2	4	18	12	2	6	22	15	1	9	3	9	2	20	6	4	12	4	5	25	14	18	54	177	186		
11	2	11	1	35	1	4	2	3	18	12	2	5	21	14	1	9	3	9	2	18	5	4	11	3	5	24	14	18	53	170	186A		
					1		1				1	1	1							2	1		1	1		1			1	7	186B		
								1	1														1								188		
										2			1							1							2			3	190		
																											1			1	191		
																		1	1	2						1			1	192			
		1		3					1		1	1									1		2			1	1		1	4	193		
								2	6	2		1	4	5	1	1	3	2		6	2	10	3	1	1	4	3	7	11	34	194		
3	4			5	1																										195		
																								1								195A	
																																195B	
								1														1										195C	
									1						1		2			1	1	7		1	1	1	3	1	2	14	195D		
3	4		5	1				2	4	2		1	4	5		1	1	2		5	1	2	2			3		6	9	18	195E		
																																196-198	
		1	1	1	1				3			1		2		1	2	3		5	2	1	2				5	2	6	18			
									1													1					2		1	3	199		

TABLE 45—CAUSES OF DEATH BY COUNTIES (INCLUDING CITIES,

CAUSES OF DEATH	Total	Addington	Algonia	Brant	Bruce	Carleton	Cochrane	Dufferin	Dundas	Durham	Elgin	Essex	Frontenac	Glenora	Greenville	Grey	Haldimand	Haldimand	Halton	Hastings	Huron	Kenora, incl. Patricia	Kent	Lambton	Lanark
200. Ill-defined and unknown causes . . . . .	80				3						1	3	2	1		5	1			1	3	10	2		
200a. Ill-defined . . . . .	39				3							1	1			5	1					1	1		
200b. Found dead . . . . .	13																			1	2	1	1		
200c. Unknown or unspecified cause . . . . .	28										1	2	1	1							1	8			

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORD

These accidental deaths are classified above according to circumstances involving the

Accidental absorption of poisonous gas . . . . .	54	1	5	2	5	1						4	2			1			1			1				
Accidental burns, conflagration excepted . . . . .	135	3	1	3	7	4						2	5	5	1	3	2	4			4	2	1	3	4	1
Accidental mechanical suffocation . . . . .	62				2	2						6	1			1				2	3		3		2	
Accidental drowning . . . . .	306	1	7	4	1	15	8			2	7	18	13		1	5	2	4		6	7	1	16	10	2	1
Accidental injury by cutting or piercing instruments . . . . .	16	1			1	1	1									1					1	2				
Accidental injury by fall . . . . .	760	6	18	14	38	3	7	3	8	7	23	15	3	1	17	2	1			6	13	14	4	16	17	8
Accidental injury by crushing . . . . .	908	1	15	14	8	38	22	4	1	7	19	34	22	2	1	10	17	1		1	26	14	8	17	14	7
Accidents due to electric currents . . . . .	25	1	1		1							1										1	1		2	

TABLE 46—DEATHS FROM CERTAIN CAUSES IN TOWNS AND VILLAGES OF 1,000 POPULATION AND UNDER 5,000, ONTARIO, 1943.

Detailed information regarding the above cities on file in the Registrar-General's Branch will be furnished upon receipt of a written request.

TOWNS AND VILLAGES OF 5,000 AND OVER)—ONTARIO, 1943

Leeds	Lennox	Lincoln	Manitowlin	Middlesex	Muskoka	Nipissing	Norfolk	Northumberland	Ontario	Oxford	Parry Sound	Peel	Perth	Peterborough	Prescott	Prince Edward	Rainy River	Renfrew	Russell	Simcoe	Stormont	Sudbury	Thunder Bay	Temiskaming	Victoria	Waterloo	Welland	Wellington	Wentworth	York
...	...	1	1	1	1	...	...	...	2	...	...	...	...	2	...	1	2	3	...	5	1	1	2	...	...	3	2	5	15	200
...	...	...	...	1	...	...	...	...	2	...	...	...	...	1	...	1	...	...	...	...	1	1	1	...	...	3	1	3	13	200A
...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	1	1	2	200B
...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	5	...	...	1	...	...	1	...	1	...	200c

ING TO THE NATURE OF INJURY

accident under rubrics 169 to 176, 178, 180, 181, 182, 183, 185, 186, 187 and 193.

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...	1	2	2	2	1	...	1	4	1	9	...	2	...	5	2	...	1	4	...	5	1	...	...	1	5	3	4	24	B		
...	1	...	1	1	...	...	2	...	4	1	1	...	...	1	1	...	1	1	...	2	2	...	2	...	3	1	1	18	C		
4	7	2	4	10	6	2	6	1	4	6	4	3	3	4	5	2	4	5	8	3	16	11	3	1	5	11	4	10	19	D	
11	2	11	1	38	1	4	3	4	18	12	2	5	21	15	1	9	3	10	4	19	6	6	1	...	6	24	16	20	54	175	E
7	3	15	2	30	2	16	9	7	14	14	7	8	4	12	14	14	2	16	2	40	4	31	12	3	6	24	16	20	54	175	F
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DEPARTMENT OF HEALTH

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Nineteenth Annual Report

OF THE

Department of Health

ONTARIO, CANADA

FOR THE YEAR

1943

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 14, 1944



ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty

1944



TO THE HONOURABLE ALBERT MATTHEWS, LL.D.,  
*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Nineteenth Annual Report of the Department of Health, for the year 1943.

Respectfully submitted,

R. P. VIVIAN, M.D.,  
*Minister of Health.*

TO THE HONOURABLE R. PERCY VIVIAN, M.D.,  
*Minister of Health.*

SIR,—I have the honour to submit for your approval the Nineteenth Report of the Department of Health, made in conformity with and under the provisions of The Public Health Act, for the year 1943.

I have the honour to be, Sir,

Your obedient servant,

B. T. MCGHIE,  
*Deputy Minister of Health.*



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# DEPARTMENT OF HEALTH

## Minister

HONOURABLE R. P. VIVIAN, M.D.

## Deputy Minister

B. T. McGHIE, M.D.

John T. Phair, M.B., D.P.H. . . . . . Chief Medical Officer

## Solicitor to Department

K. G. Gray, K.C., M.D., on Active Service . . . . .  
F. T. Egner, on Active Service . . . . .  
S. A. Shoemaker, K.C., acting . . . . .

## Medical Statistics

A. H. Sellers, M.D., D.P.H., on Active Service . . . . . Director  
L. S. Penrose, M.A., M.D., Acting . . . . .

## Child Hygiene and Public Health Nursing

John T. Phair, M.B., D.P.H. . . . . . Director  
E. L. Kiteley, M.B. . . . . . Medical Inspection Officer  
Edna L. Moore, Reg. N. . . . . . Chief Public Health Nurse

## Epidemiological Services

H. A. Ansley, M.B., D.P.H., on Active Service . . . . . Epidemiologist  
R. P. Hardman, M.D., D.P.H. . . . . . Acting Epidemiologist  
W. N. Turpel, M.D., D.P.H. . . . . . Associate Epidemiologist

## Tuberculosis Prevention

G. C. Brink, M.B. . . . . . Director  
K. M. Shorey, M.D. . . . . . Clinical Specialist  
J. S. Hazen, M.B., on Active Service . . . . . Clinical Specialist  
J. F. Milner, M.D., on Active Service . . . . . Clinical Specialist  
S. A. Holling, B.A., M.D. . . . . . Clinical Specialist  
A. Forsberg, M.D. . . . . . Clinical Specialist  
C. R. Messecar, M.D. . . . . . Clinical Specialist  
L. C. Fallis, M.B. . . . . . Clinical Specialist  
North-Western Ontario Clinic, Fort William  
G. G. Brearley, M.D. . . . . . Mid-Eastern Ontario Clinic, Belleville  
D. McCallum, M.B. . . . . . Eastern Ontario Clinic, Ottawa  
G. B. Lane, M.D. . . . . . Northern Ontario Clinic, Timmins  
Mid-Northern Ontario Clinic, North Bay  
E. J. O'Brien . . . . . Liaison Officer—Mass Surveys and Post-sanatorium Care  
W. Belshaw, on Active Service . . . . . Accountant  
D. Wise . . . . . Accountant

## Venereal Disease Control

Major J. A. Leroux, R.C.A.M.C. . . . . . Director  
A. J. Bromley, M.D., on Active Service . . . . . Clinical Specialist  
W. S. Campbell, M.D. . . . . . Clinical Specialist  
A. H. Thompson, M.D., D.P.H. . . . . . Clinician

## Sanitary Engineering

A. V. Berry, M.A.Sc., C.E., Ph.D.	Director
A. W. Delaporte, B.A.Sc., Chem. E., F.C.I.C.	Chemical Engineer in Charge of Experimental Station
G. A. H. Burn, B.A.Sc.	Associate Sanitary Engineer
O. V. Ball, B.A.Sc.	Senior Sanitary Engineer
E. W. Johnston, B.A.Sc.	Senior Sanitary Engineer
G. M. Galimbert, B.A.Sc.	Senior Sanitary Engineer
J. G. Duncan, B.A.Sc.	Assistant Chemist
L. A. Kay, M.A.Sc., on Active Service	Sanitary Engineer
J. K. Curtis, M.A.Sc., on Active Service	Sanitary Engineer
H. G. Tyler, A.R. San. I., C.S.I. (C), on Active Service	Sanitary Inspector

## Laboratories

Andrew L. MacNabb, B.V.Sc.	Director
A. R. Bonham, B.A.Sc., F.C.I.C., Phm.B.	Provincial Analyst
W. B. McClure, M.D., D.P.H.	Senior Bacteriologist
M. C. Dinberg, M.D.	Pathologist
J. W. Bell, M.B.	Bacteriologist
V. Crossley, B.A. (Miss)	Assistant Bacteriologist
J. E. Fasken, B.A.Sc.	Assistant Analyst

## Branch Laboratories

A. J. Slack, Ph.C., M.D., D.P.H., Director	London
James Miller, M.D., F.R.C.S. (Edin.), Director, Ensol Lab.	Kingston
J. H. Orr, M.D., Director	Government Building, Kingston
A. D. McClure, B.A., Director, on Active Service	North Bay
A. B. Lamb, B.Sc. (Acting)	North Bay
A. E. Allin, M.D., D.P.H., Director	Fort William
N. F. W. Graham, B.A., M.B., Director	Sault Ste. Marie
C. B. Waite, M.D., Director	Peterborough
E. L. Barton, M.D., Director	Ottawa

## Subsidized Laboratories

Lorne Whitaker, M.D., Director	St. Catharines
J. B. McKay, M.D., Director	Belleville

## Industrial Hygiene

J. G. Cunningham, B.A., M.B., D.P.H.	Director
A. R. Riddell, B.A., M.B., D.P.H.	Clinical Specialist
W. H. Cruickshank, M.D., D.P.H., on Active Service	Clinical Specialist
C. H. Wilson, M.D., D.P.H.	Clinician
G. M. Parker, M.D., on Active Service	Clinician
John R. Card, M.D.	Clinician
S. P. Sweet, M.D.	Clinician
H. E. Rothwell, B.A.Sc., F.C.I.C.	Chemist
C. M. Jephcott, M.A., Ph.D., F.C.I.C., A.I.C.	Chemist
J. H. Johnston, B.A.	Chemist
L. B. Leppard, M.A., Ph.D., on Active Service	Chemist
R. G. Elson, M.A.	Physicist-Engineer
D. S. McKee, C.S.I. (C)	Chief Sanitary Inspector
J. Richardson, Sanitary Inspector	North Bay
Hugh McIntyre, A.R. San. I., Sanitary Inspector	Kirkland Lake
G. H. Powell, C.S.I. (C), Sanitary Inspector, on Active Service	Fort William

Hugh MacDonald, C.S.I., Sanitary Inspector..... Kenora  
 Nelson Laxton, C.S.I., Sanitary Inspector..... Sudbury  
 O. S. Fyfe, C.S.I., Sanitary Inspector.....  
 A. S. O'Hara, M.R. San. I., C.S.I. (C.), Sanitary Inspector..... on Active Service  
 S. Harris, C.S.I. (C.), Sanitary Inspector..... on Active Service  
 W. L. Smith, Sanitary Inspector..... on Active Service  
 D. E. Moore, C.S.I., Sanitary Inspector..... on Active Service

**Dental Services**

F. A. Kohli, D.D.S., on Active Service..... Director  
 H. J. Hodgins, D.D.S., acting.....

**Nurse Registration**

A. M. Munn, Reg. N..... Director  
 E. R. Dick, Reg. N. on Active Service..... Inspector of Training Schools for Nurses  
 H. Bennett, Reg. N., acting.....

**North-Western Ontario Health District**

A. L. McKay, B.A., M.B., D.P.H., on Active Service.....  
 W. G. Brown, M.D., D.P.H.,..... Fort William

**Honorary Consultants**

Pædiatrics..... Alan Brown, B.A., M.B.  
 Dental Services..... Harold Keith Box, D.D.S.  
 Pathology..... James Miller, M.D., F.R.C.S. (Edin.)  
 Public Health Nursing..... Miss Elizabeth Smellie, C.B.E., Reg. N.  
 Obstetrics..... William A. Scott, M.B., F.R.C.S. (Can.)  
 Nutrition..... E. W. McHenry, M.A., Ph.D., F.R.S.C.

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# ANNUAL REPORT

of the

## Department of Health

For the Calendar Year Ending December 31st, 1943

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## PUBLIC HEALTH ADMINISTRATION

J. T. PHAIR, M.B., D.P.H., *Chief Medical Officer of Health*

Public Health administration at the provincial level implies the assumption by the Province of the responsibility for the provision of the statutory and regulatory authority which is necessary to permit of the adequate functioning of an effective community health service. To this obligation was early added that of setting up a central body, the duty of which was to ensure that the municipality assumed its required obligations. Having in mind the peculiar health needs of certain areas and the rather intangible character of what is implied in the term "adequate municipal health programme" such a body could only function on the basis of a minimum of coercion and a maximum of persuasion. But the statutory requirements place certain responsibilities on the local authority that necessitate the employment of personnel with special knowledge and equipment and with the province divided into 900 municipalities, the tax-collecting revenue of which varied from zero to adequacy, it was early found that certain of these services must be supplied by the central authority. This principle is universally accepted and all Provincial Health Departments offer such services in varying degrees. But the question constantly presents: what is adequate consultative service? If extended to the point of adequacy as the local authorities interpret adequacy, then the obligations of the municipality are being met by the state. If it is kept to the minimum under our present archaic system of municipal authority in health matters, the health of the public suffers.

The course of wisdom would appear to be toward a middle road between these two extremes and this is what is being planned: a scheme whereby the municipality would be able to contribute either in part or in whole towards the effective conduct of the local programme and the Province assist with both funds and special services. But this entails on the part of the municipality a better appreciation of the significance of the local health needs and a willingness to meet these in the only feasible fashion, by union of contiguous communities; carrying such union to the point that a large enough area has been incorporated in the new administrative unit to make the employment of the needed qualified personnel financially feasible. Substantial grants from governments will be needed if there is to be no conflict as to what constitutes financial feasibility by the local and central authority.

The referred-to plan implies a division of what might be required by the local administrative unit in the way of services to be supplied and what might rightly be provided by the Province. It is thought that such basic services as the prevention of communicable disease, the control of tuberculosis and venereal disease as these can be carried out at the local level, the supervision of local water supply, sewage and refuse disposal systems, the prevention of nuisances, the supervision of food-processing and distribution and the promotion of pre-natal, post-natal, infant and child hygiene plus school health supervision should be a community responsibility. While the provision of diagnostic services including laboratory facilities, facilities for the diagnoses of diseases of the chest, of mental inadequacy and mental illness, industrial diseases and consultative services in the field of environmental sanitation (including housing), industrial hygiene, and nutrition might be considered as a responsibility of the province.

The early implementing of such a programme necessitates an adequate number of physicians, dentists, engineers, nurses and others. Added to this need is provision for the training of such when they are available. Both of these

difficulties will have to await demobilization for solution. However, plans are now being laid to make the training facilities function immediately the professional groups have been released from the armed services.

It is of interest to note the present willingness on the part of county authorities toward provision for the establishment of school health supervision under county auspices. This programme, which has been in effect in Oxford County for three years, has proven its value to the point that it has been extended to four other counties with every evidence of future extension in 1944. This willingness to extend this collective interest into the public health field presages a favourable reception for the broader and more comprehensive approach to the public health needs above referred to when these are laid before the appropriate bodies.

I regret to report the passing of the following medical officers of health, many of whom had faithfully served the communities in which they lived for many years

Major F. Adams	Dr. L. McLeay	Dr. J. A. Whillans
Dr. W. E. Ackland	Dr. A. E. Northwood	Dr. H. E. Moore
Dr. A. R. Dafoe	Dr. J. E. Simmons	Dr. D. A. Parkhill
Dr. D. A. Hopper	Dr. W. E. Throop	
Dr. H. O. Lough	Dr. H. E. Welsh	

The following retired from office during the year:

Dr. W. R. Cameron	Dr. W. H. B. Munn	Dr. T. Tweedie
Dr. L. J. Crozier	Dr. C. R. Richmond	Dr. H. M. Young
Dr. A. J. McIntosh	Dr. A. T. Ripley	Dr. R. D. Morand
Dr. A. MacDonald	Dr. G. R. Stewart	Dr. D. M. Young

During the year the following health officers enlisted in the Armed Forces:

Dr. M. B. Dymond	Dr. A. S. Huffman	Dr. R. S. Peat
Dr. G. E. Faulds	Dr. E. Malkin	Dr. J. W. Wright
Dr. J. M. Fleming	Dr. A. L. Magill	Dr. W. Mosley
Dr. G. A. Graham	Dr. J. P. McDermott	Dr. J. E. Gompf
	Dr. H. F. Richardson	

## REPORT OF THE SOLICITOR

K. G. GRAY, K.C., M.D., *Solicitor to the Department*

The following legislation was passed by the Legislative Assembly in the 1943 Session:

New legislation:—

*An Act to provide for the Establishment of The Ontario Cancer Treatment and Research Foundation*—Chapter 19.

The following Acts were amended:—

*The Cemetery Act (Statute Law Amendment Act*—Chapter 28, Sections 5 and 6).

*The Mental Hospitals Act*—Chapter 13.

*The Public Health Act*—Chapter 24.

*The Public Hospitals Act*—Chapter 25.

*The Sanatoria for Consumptives Act (Statute Law Amendment Act*—Chapter 28, Section 36).

*The Venereal Diseases Prevention Act*—Chapter 35.

*The Vital Statistics Act (Statute Law Amendment Act*—Chapter 28, Section 41).

The following regulations were approved by the Lieutenant-Governor in Council on the recommendation of the Minister of Health:

Regulations pursuant to:—

*The Embalmers and Funeral Directors Act*—January 19th.

*The Nurses' Registration Act*—January 19th and November 2nd.

*The Public Health Act*—January 5th, May 5th, June 27th and June 29th.

*The Public Hospitals Act*—February 23rd, July 21st, September 22nd.

*The Sanatoria for Consumptives Act*—June 15th, June 29th (2), October 5th, September 17th.

*The Venereal Diseases Prevention Act*—January 26th.

For the Solicitor,

S. A. SHOEMAKER.

Toronto, January 21st, 1944.

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 19th day of January, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the following amendments to the regulations under *The Embalmers and Funeral Directors Act*, approved by the Board, be approved by Your Honour:



1. That Regulation "F" (6a) approved by Your Honour on the 21st day of December, 1936, be amended by adding thereto the following:

"Embalmers while on active service in any of His Majesty's Forces, and others who having attained the age of 70 years and are not actively engaged as embalmers, are exempt from the provisions of this regulation."

so that the said regulation as amended shall now read as follows:

"F" (6a) In order to be in good standing for renewal of license every embalmer licensed by the Board shall at least once every five years attend a two-day course of instruction in embalming, restorative art, sanitation and funeral management. Embalmers while on active service in any of His Majesty's Forces, and others who having attained the age of 70 years and are not actively engaged as embalmers, are exempt from the provisions of this regulation.

2. That regulation "F" approved by Your Honour on the 10th day of July, 1928, as amended by Your Honour on the 21st day of December, 1936, be further amended by adding thereto the following:

"F" (6aa) Embalmers unable to attend the course as required by Regulation "F" (6a) through illness, physical disability, or shortage of help as a result of the war, may be granted an extension of one year by the Board in which to take such course.

and

"F" (6aaa) Embalmers who are duly licensed, who are engaged in an occupation other than that of embalmers shall be exempt from the provisions of Regulation "F" (6a) during the period in which they are engaged in such other occupation.

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 19th day of January, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations made pursuant to *The Registration of Nurses Act*, R.S.O. 1927, chapter 360, now *The Nurses' Registration Act*, R.S.O. 1937, chapter 230, be amended by deleting the words "to sit for examination" from regulation 5. (1) so that it shall now read as follows:

5.—(1) Any nurse who has been graduated by an approved school for nurses outside of Canada may be entitled to qualify for registration in the Province of Ontario provided that,—

and by adding to regulation 5. (1) the following:

(e) for the duration of the present war clause (b), which reads as follows, "the country, province or state in which such nurse has been registered extends a similar privilege to registered nurses of the Province of Ontario; and", shall be suspended.

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 2nd day of November, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations made pursuant to *The Registration of Nurses Act*, R.S.O. 1927, chapter 360, now *The Nurses' Registration Act*, R.S.O. 1937, chapter 230, be amended by repealing regulation 21 thereof and substituting the following therefor,—

## ADMISSION OF STUDENT NURSES

21.—(1) No approved training school shall admit any person as a student nurse in such school who is less than 18 years of age or who has not completed the following educational requirements:

- (a) until the 31st day of July, 1944, the certificate of the principal of the Collegiate Institute, High, Vocational or Continuation School of the Province of Ontario attended by the applicant, showing that the applicant has completed satisfactorily three years in any one of the courses of Grades XI and XII laid down in pages 4 and 5, of the Regulations relating to Subjects of Study, issued by the Department of Education, or an equivalent certificate as determined by the Department of Education.
- (b) after the 31st day of July, 1944, the Secondary School graduation Diploma of the Department of Education issued without qualifications respecting options, or an equivalent certificate as determined by the Department of Education.

(2) The superintendent shall require every applicant for admission to a training school as a student nurse to file birth certificate before admission is granted.

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 5th day of January, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that in pursuance of clause (00) of section 1 of *The Public Health Act, R.S.O. 1937, Chapter 299*, as enacted by section 2 of *The Public Health Amendment Act, 1938*, and amended by *The Public Amendment Act, 1942*, and of clause (zb) of section 5 of *The Public Health Act* as enacted by section 3 of *The Public Health Amendment Act, 1938*, the regulations entitled "Milk Pasteurization Plants" approved by Order-in-Council dated the 24th day of June, 1938, be amended by adding at the end of clause (e) of regulation 1, the following:

"Pasteurization" shall also mean, as an alternative method, the process of heating every particle of milk to a temperature of not less than 161 degrees Fahrenheit, and of holding it at such temperature for not less than 16 seconds, and of cooling it immediately thereafter to 50 degrees Fahrenheit or lower in a manner and with equipment and apparatus approved by the Department of Health, and every term of like import shall have a corresponding meaning:

so that the said clause shall now read as follows:

- (e) "Pasteurization" shall mean the process of heating every particle of milk to a temperature of not less than 143 degrees Fahrenheit, of holding it at such temperature for not less than 30 minutes, and of cooling it immediately thereafter to 50 degrees Fahrenheit or lower in a manner and with equipment and apparatus approved by the Department of Health, and every term of like import shall have a corresponding meaning; "Pasteurization" shall also mean, as an alternative method, the process of heating every particle of milk to a temperature of not less than 161 degrees Fahrenheit, and of holding it at such temperature for not less than 16 seconds, and of cooling it immediately thereafter to 50 degrees Fahrenheit or lower in a manner and with equipment and apparatus approved by the Department of Health, and every term of like import shall have a corresponding meaning:

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 5th day of May, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the bedding regulations made pursuant to clause (zd) of section 5 of *The Public Health Act, R.S.O. 1937, chapter 299*, approved by Your Honour on the 28th day of

December, 1938, and amended by Your Honour on the 18th day of September, 1940, be further amended as follows:

1. Regulation 1 (c) is amended by striking out after the word "coloured" in the third line, the words "or which has been garnetted or shredded" in the third and fourth lines, so that the said regulation shall now read as follows:

1. (c) "Converted" as applied to any material shall mean any otherwise new material which has been dyed or coloured but not further manufactured than to be spun into yarn or knit or woven into fabric and subsequently cut up, torn up, broken up or ground up and shall include coarse cotton mill gunny.

2. Regulation 1 (f) is amended by striking out the word "articles" in the first line and inserting in lieu thereof the word "article", so that the said regulation shall now read as follows:

1. (f) "New" as applied to any material or article shall mean any material or article which has not been previously manufactured or used for any purpose but shall not include converted material.

3. Regulation 1 is amended by adding thereto the following:

1. (fff) "Re-processed" as applied to used feathers or used hair shall mean any used feathers or used hair which have been subsequently treated by a process approved by an officer of the Department.

4. Regulation 1 (g) is repealed and the following substituted therefor:

1. (g) "Second-hand" as applied to any material or article shall mean any material which is neither new nor converted. "Second-hand" shall not apply to re-processed feathers or to re-processed hair.

5. Regulation 4 (2) (b) is amended by adding thereto the following:

4. (2) (b) (iv) Where "re-processed" feathers or hair are used exclusively or with "new" or "converted" material the article shall be labelled "contains re-processed material" on a grey label.

6. Regulation 4 (3) is repealed and the following substituted therefor:

4. (3) The designations "contains new material only", "contains converted material", "contains second-hand material", "contains re-processed material", and "renovated" shall be printed on labels in black letters at least  $\frac{1}{4}$ " in height and other lettering shall be  $\frac{1}{8}$ " in height and no trade name or other printing shall appear on the label.

Certified,

C. F. BULMER,

*Clerk, Executive Council.*

# REGULATIONS OF THE DEPARTMENT OF HEALTH FOR THE CONTROL OF COMMUNICABLE DISEASES

## DEFINITIONS

### REGULATION 1:

Terms used in these regulations are defined as follows:

- Carrier.** A carrier is a person who, without symptoms of a communicable disease, harbors and disseminates the specific micro-organisms.
- Contact.** A contact is any person or animal known to have been sufficiently near to an infected person or animal to have been exposed to transfer of infectious material directly, or by articles freshly soiled with such material.
- Disinfection.** Disinfection shall mean the destroying of pathogenic micro-organisms by chemical or physical means.
- Concurrent disinfection shall mean the application of disinfection to all discharges, where indicated, during the illness of the patient.
- Terminal disinfection shall mean the application of disinfection after the termination of the period of isolation, and shall include the personal clothing and immediate physical environment of the patient.
- Delousing.** Delousing shall mean the process by which a person and his personal apparel are treated so that neither the adults nor the eggs of *pediculus corporis* or *pediculus capitis* survive.
- Isolation.** Isolation shall mean the separation of persons having a communicable disease or, who are carriers of infecting organisms, from other persons in such a manner as will prevent the direct or indirect conveyance of the disease, or infecting organisms, to others.
- Quarantine.** Quarantine shall mean the restriction to their places of residence of persons who have been exposed to a communicable disease for a period of time equal to the incubation period of the disease to which they have been exposed.
- Cleaning.** Cleaning shall mean the removal by scrubbing and washing, as with hot water, soap and washing soda, of organic matter on which and in which bacteria may find favourable conditions for prolonging life and virulence.
- Immune.** An immune shall mean a person or animal who is not susceptible to infection with a given communicable disease.
- Non-Immunes or Susceptibles.** A non-immune or susceptible shall mean a person or animal who is not known to be immune to a given communicable disease by natural or artificial process.

## EXTRACTS FROM THE PUBLIC HEALTH ACT (R.S.O. 1937, CH. 299)

### PROVISIONS AS TO COMMUNICABLE DISEASE

- Communicable Diseases—  
Notice by  
Householder.** SECTION 55—(1) Whenever any householder knows or has reason to suspect that any person within his family or household, or boarding or lodging with him has any communicable disease, he shall, within twelve hours, give notice thereof to the secretary of the local Board or to the Medical Officer of Health.
- How given.** (2) The notice may be given to the Secretary or to the Medical Officer of Health at his office, or by letter addressed to either of them, and mailed within the time above specified, and the secretary of the local Board shall forthwith transmit to the Medical Officer of Health notice of each case of communicable disease reported to him.
- Notice of  
Communicable  
Disease to be  
Included in  
Weekly Report.** (3) Every such notice filed with the Medical Officer of Health shall be transmitted forthwith by him to the Secretary of the local Board of Health, and shall be included in the weekly report required to be sent to the Department under section 23.

SECTION 23. The secretary of every local Board shall report weekly to the Department the number of cases of and deaths from communicable diseases, and the number of deaths from all other causes occurring in the municipality during the preceding week, upon a form to be supplied by the Department. Weekly Report  
to Department.

SECTION 56—(3) Every person in a household when a communicable disease exists therein, and every person who during the period of quarantine enters such house, shall be deemed to be exposed to the disease. Who to be  
Deemed Ex-  
posed to  
Disease.

SECTION 57—(1) Whenever any legally qualified medical practitioner knows, or has reason to suspect, that any person whom he is called upon to visit is infected with any communicable disease, he shall within twelve hours give notice thereof to the Medical Officer of Health of the municipality in which such diseased person is. Report by  
Physician.

(2) This section shall apply to the medical superintendent or person in charge of any general or other hospital in which there is known to him to be a patient suffering from any communicable disease. Superinten-  
dents of  
Hospitals, etc.

(3) The provisions of subsection 1 shall apply to any person registered and practising as a drugless practitioner under the authority of the Drugless Practitioners Act. (Rev. Stat. c. 229.) Reporting  
Communicable  
Disease.

#### REGULATION 2:

Every doubtful case of communicable disease shall be classed and dealt with as if it were a case of communicable disease, until such is disproved.

#### REGULATION 3:

Diseases requiring notification and which must be reported to the Medical Officer of Health or Secretary of the local Board of Health—Sections 50, 51, 55, 57 and 58 to 63 inclusive, of the Public Health Act, R.S.O. 1937, shall apply to the following communicable diseases:

- |  |  |
|--|--|
| 1. Actinomycosis   | 23. Paratyphoid Fever                                  |
| 2. Anthrax   | 24. Plague   |
| 3. Botulism  | 25. Pneumonia (Acute Lobar)                            |
| 4. Cerebro-Spinal Meningitis (Meningococcus)               | (Bronchial)  |
| 5. Chancroid—(Special Regulations—V.D. Prevention Act)     | 26. Poliomyelitis                                      |
| 6. Chickenpox  | 27. Psittacosis  |
| 7. Cholera (Asiatic)                                       | 28. Puerperal Septicaemia                              |
| 8. Conjunctivitis (Ophthalmia Neonatorum)                  | 29. Rabies   |
| 9. Diphtheria  | 30. Rocky Mountain Spotted Fever                       |
| 10. Dysentery (Amoebic) (Bacillary)                        | 31. Scarlet Fever                                      |
| 11. Encephalitis—Infectious—(Specify type if known)        | 32. Septic Sore Throat—Epidemic Type                   |
| 12. Erysipelas   | 33. Smallpox   |
| 13. Gonorrhoea (Special Regulations. —V.D. Prevention Act) | 34. Syphilis (Special Regulations—V.D. Prevention Act) |
| 14. Influenza (Epidemic Type)                              | 35. Tetanus  |
| 15. Infectious or Epidemic Jaundice                        | 36. Trachoma   |
| 16. German Measles   | 37. Trichinosis  |
| 17. Glanders   | 38. Tuberculosis                                       |
| 18. Leprosy  | 39. Tularemia  |
| 19. Malaria  | 40. Typhoid Fever                                      |
| 20. Malignant Oedema                                       | 41. Typhus Fever                                       |
| 21. Measles  | 42. Undulant Fever                                     |
| 22. Mumps  | 43. Whooping Cough                                     |
|  | 44. Yellow Fever                                       |

#### REGULATION 4:

Diseases requiring quarantine and placarding, sections 50 to 74 inclusive and paragraph 33 of schedule B of the Public Health Act, shall apply to the following communicable diseases, and the homes where these diseases exist or wherein communicable disease contacts are residing must be placarded:

1. Cerebro-Spinal Meningitis (Meningococcus)
2. Cholera
3. Diphtheria
4. Leprosy
5. Plague
6. Poliomyelitis
7. Scarlet Fever
8. Smallpox
9. Typhus Fever
10. Whooping Cough
11. Yellow Fever

REGULATION 5:

A quarantine card must give the name of the disease and in every way conform to paragraph 33 of Schedule B of the Public Health Act (R.S.O. 1937 as amended).

"The Medical Officer of Health within six hours after he has received notice of the existence in any house of any communicable disease or the presence of any communicable disease contacts in respect of which it is duty to do so, shall affix or cause to be affixed near the entrance of such house in plain view of the public, a card at least twelve inches wide and nine inches long, stating that such premises are under quarantine on account of such disease and the penalty for the affixing or removal of such card without the permission of the Medical Officer of Health, and no person shall affix or remove any such card without his permission."

For example:

12"

These Premises Are  
QUARANTINED  
On Account Of  
SMALLPOX

Any person or persons affixing or removing this card without the permission of the Medical Officer of Health shall be liable to a penalty of not less than \$5 or more than \$50 in the discretion of the convicting magistrate, besides costs which may also be inflicted pursuant to the provisions of the Public Health Act.

By order of

.....M.O.H.

The Medical Officer of Health may name upon such card the period of quarantine required.

REGULATION 6:

The Medical Officers of Health of every municipality where a patient is suffering from any of the communicable diseases as set out in Regulation 4 or wherein communicable disease contacts are residing shall forbid any person except the attending physician, health officer, clergyman, nurse, sanitary inspector or in the case of death, the undertaker, from going into or leaving the premises without his permission, or the carrying off or causing to be carried off, any material or article whereby such disease may be conveyed, until after the disease has abated, or quarantine has been lifted, and premises, dwelling, clothing, and other contents have been rendered free from danger, by means of such cleansing and disinfection as the Department of Health may direct, and he shall prescribe the precautions to be taken.

REGULATION 7:

No person shall let or hire, cause or permit anyone to occupy premises previously occupied by a person ill of any communicable disease until such premises shall have been cleansed to the satisfaction of the Medical Officer of Health or person acting under his instructions in accordance with Regulations 11 and 12.

REGULATION 8:

Whenever an order or direction of the Medical Officer of Health requiring the disinfection, cleansing or destruction of articles or the cleansing of premises is not complied with, the Medical Officer of Health shall forthwith cause to be placed upon the door of the premises a placard in word and form as follows:

NOTICE

These premises have been occupied by a person affected with.....  
They must not again be occupied until the orders for cleansing have been complied with.  
This notice must not be removed under a penalty of \$10.

.....M.D.  
M.O.H.

Place and date.

REGULATION 9:

When any of the communicable diseases named in Regulation 4 exist in any municipality the Department of Health may, with the consent of the Minister, prevent any person or persons from passing to or from such municipality, and may for this purpose prevent the transportation of any person or persons to or from such municipality by means of any boat, vessel, steam, electric or other car, carriage, vehicle or premises. It shall be the duty of the local Board of Health, the Corporation of the Municipality and of every officer thereof to assist in every possible way in carrying out the provisions of this and every Regulation of the Department.

REGULATIONS OF THE DEPARTMENT OF HEALTH IN RESPECT TO  
BURIALS AND TRANSPORTATION OF THE DEAD

## REGULATION 10:

(a) Every physician shall report forthwith, to the secretary of the local Board of Health, the death from any communicable disease of any person under his care, within twelve hours thereafter.

(b) The body of anyone who has died of small-pox, scarlet fever, diphtheria, bubonic plague, cholera, epidemic cerebro-spinal meningitis or poliomyelitis shall be interred within 24 hours, except as hereinafter provided, and in no case shall exposure of the body be allowed or a public funeral held.

(c) The body of anyone who has died of smallpox, scarlet fever, diphtheria, bubonic plague, cholera, epidemic cerebro-spinal meningitis or poliomyelitis shall in no case be transported by railway, boat or other public conveyance, unless such body has been enclosed in an hermetically sealed coffin to the satisfaction of the Medical Officer of Health, whose certificate to this effect shall appear upon the outside of the coffin. The coffin must not subsequently be opened.

(d) The body of anyone who has died of any of the aforesaid diseases shall not be disinterred for any reason except by order of the Attorney-General, unless for the purpose of transportation or reinterment within Ontario, in which case the precautions named in paragraph (c) must be complied with under the supervision of and with the consent of the Medical Officer of Health.

(e) The body of anyone having died of a disease other than one of those mentioned in paragraph (b) may be received for transportation within the province or beyond it, when enclosed in a sound coffin or casket and enclosed in a strong outside wooden box, provided it will reach its destination within seventy-two hours from the time of death. Where transportation cannot be completed within that period, the body shall not be accepted for transportation unless it has been embalmed by a licensed embalmer, or is enclosed in a sealed metal or metal-lined coffin or casket and enclosed in a strong outside wooden box.

## DISINFECTION AND CLEANING

## REGULATION 11:

(a) In the case of diseases in which the infectious agents exist in secretions of the nose, throat or ear, these secretions shall be collected on paper or cloths and burned.

(b) In the case of diseases in which the infectious agents exist in discharges from open lesions, these discharges shall be received on dressings which shall be burned.

(c) In the case of diseases in which the infectious agents exist in bowel discharges or urine, such discharges shall be treated with a disinfecting agent and disposed of in a sanitary manner, and to the satisfaction of the Medical Officer of Health.

Whenever concurrent disinfection is required in these regulations, the attendant shall take such measures of disinfection immediately after the discharge of infectious material from the body of an infected person or articles soiled with such discharges as shall be required by the Medical Officer of Health. Such attendant shall immediately following the application of concurrent disinfection wash the hands thoroughly with soap and hot water. One of the recognized chemical disinfectants may be added to the water if desired, or at the discretion of the Medical Officer of Health.

Whenever terminal disinfection is required in these regulations, the personal clothing and articles in the immediate physical environment of the patient shall be rendered free from the possibility of conveying the infection to others. Terminal disinfection shall be applied after the termination of the period of isolation.

When measures other than cleansing are ordered by the Medical Officer of Health, such measures shall be carried out by the householder, or in case of inability on the part of the householder to carry out such measures, by the local Board of Health. The expenses incurred shall be at the expense of the municipality, and shall be paid on the order of the local Board of Health.

## REGULATION 12:

The Medical Officer of Health shall be satisfied that the cleansing and disinfection of any house, building, car, vessel or vehicle or any part thereof and of any articles therein likely to retain infection, are satisfactorily carried out before the quarantine is removed.

## REGULATION 13:

Under authority conferred by The Public Health Act (R.S.O. 1937, ch. 299, as amended), the local Board of Health, and in unorganized territory the Provincial Department of Health,

shall be charged with the responsibility of the various measures for the control of communicable diseases. The measures as they apply to the below-mentioned diseases shall be as follows:

### DISEASES REQUIRING THE USE OF PLACARDS

#### CEREBRO-SPINAL MENINGITIS

Every definite or doubtful case of this disease must be classed as Cerebro-Spinal Meningitis and dealt with accordingly until a diagnosis is definitely made.

Placard—Yes.

Isolation of Patient—Until clinical recovery.

Quarantine of Household Contacts—for ten days after the last exposure. The Medical Officer of Health may release the breadwinner and other adult members of the family, providing the contact with the patient is broken by his removal to hospital, or by the change of residence of the contacts. The Medical Officer of Health may, if he wishes, require the carrying out of any recognized diagnostic procedure prior to the release of such contacts.

No milk container shall be returned from premises quarantined on account of Cerebro-Spinal Meningitis, until permission is obtained from the Medical Officer of Health.

Concurrent disinfection—burning of all discharges from nose and throat, or articles soiled therewith. (Regulation 11.)

Terminal disinfection—At the termination of quarantine the personal clothing, bedding, together with the contents of the room and the room itself, must be thoroughly cleansed under the direction of the Medical Officer of Health.

#### DIPHTHERIA

A suspected case of diphtheria must be isolated until diagnosis is confirmed or disproved; a clinical case of diphtheria must be isolated even if the results of the laboratory examination are negative. So-called membranous croup for the purpose of these regulations shall be considered as diphtheria.

Placard—Yes.

Isolation of Patient—Yes—in localities where a bacteriological examination is unobtainable, three weeks; if convalescence is complete and no sore throat, nasal or aural discharges remain. Where bacteriological examination is obtainable ten days from date of onset of a clinical case, if two successive cultures taken from the site of the lesion with not less than a 12-hour interval are shown to the satisfaction of the Medical Officer of Health to be negative. In the case of chronic carriers a negative virulence test shall be required.

Quarantine of Contacts—all contacts including breadwinner, school children, teachers, food handlers shall be quarantined for seven days, or until a negative culture has been obtained from nose and throat of each. Contacts showing a negative culture may be released at the discretion of the Medical Officer of Health providing they change their residence. The quarantine of cases of diphtheria in institutions, schools or colleges, where the population is resident shall be governed by both clinical and laboratory examinations. See the Public Health Act—s. 74 (5).

No milk container shall be returned from premises quarantined on account of diphtheria until permission is obtained from the Medical Officer of Health.

No person from a house quarantined on account of diphtheria shall handle milk, butter, cheese or any dairy product, which is to be sold or given away to any party, or delivered to any creamery or butter or cheese factory. Any of these products may be distributed under precautions laid down by the Medical Officer of Health.

Concurrent disinfection—Yes—all articles which have been in contact with patient and all articles soiled by discharges from patient.

Terminal disinfection—Yes—prompt cleaning of quarters previously occupied by patient.



## POLIOMYELITIS

Placard—Yes.

Isolation of Patient—Yes—until three weeks after onset, provided the patient's temperature is normal.

Quarantine of Household Contacts—for ten days after the last exposure. The Medical Officer of Health may release the breadwinner and other adult members of the family, providing the contact with the patient is broken by his removal to hospital, or by the change of residence of the contacts.

Immunes may be released because of a previous attack if satisfactory proof is shown to the Medical Officer of Health.

Non-immunes (school teachers and pupils) shall be excluded from school.

No milk container from premises under quarantine on account of Poliomyelitis shall be returned to any dairy or milk vendor until permission is obtained from the Medical Officer of Health.

No person from a house in which a patient is suffering from Poliomyelitis shall handle milk, butter, cheese or any dairy product which is to be sold or given to any party or delivered to any creamery, butter factory or cheese factory. Any of these products may be distributed under precautions laid down by the Medical Officer of Health.

Concurrent disinfection—all discharges—as required in (Regulation 11).

Terminal disinfection—thorough cleaning of premises. (Regulation 11.)

## SMALLPOX

Placard—Yes.

Isolation of Patient until all scales have fallen off and lesions healed. Minimum 21 days.

Quarantine of Household Contacts—16 days.

Contacts showing satisfactory proof of having had Smallpox, or who show satisfactory proof of previous vaccination and are re-vaccinated, may be released following the breaking of the contact. Previously unvaccinated individuals may be released upon proof of successful vaccination.

No milk container from a house quarantined on account of smallpox shall be returned to any dairy or milk vendor.

No person from a house in which there is a patient suffering from smallpox shall handle milk, butter, cheese or any dairy product which is to be sold or given to any party or delivered to any creamery, cheese or butter factory. Any of these products may be distributed under precautions laid down by the Medical Officer of Health.

Concurrent disinfection of all discharges. No article to leave surroundings of patient without boiling or equally effective disinfection. (Regulation 11.)

Terminal disinfection—thorough cleaning of premises. (Regulation 11.)

## SCARLET FEVER

Placard—Yes.

Isolation of Patient—Yes—until 28 days from appearance of rash, if no sore throat, nasal or aural discharges persist.

*Quarantine for Household Contacts*—Seven days.

Non-immunes—Seven days from last exposure. Breadwinner may continue at his duties, without change of residence, if Medical Officer of Health is satisfied with isolation of patient, with the following exceptions. No person from a house quarantined on account of Scarlet Fever shall handle milk, butter, cheese or any other dairy product, which is to be sold or given away to any party or delivered to any creamery or butter or cheese factory. Any of these products may be distributed under precautions laid down by the Medical Officer of Health.

School children and teachers may change residence and continue at school at the discretion of the Medical Officer of Health. If not immune, they may change their residence and attend school after the seven-day period of quarantine is over.

No milk container from premises quarantined on account of Scarlet Fever shall be returned during the isolation period.

Concurrent disinfection—discharges from the nose and throat of the patient, and articles soiled by such discharges. (Regulation 11.)

Terminal disinfection—thorough cleaning. (Regulation 11.)

#### WHOOPING COUGH

Placard—Yes.

Isolation of Patient—For three weeks after commencement of whoop.

Quarantine of contacts—Fourteen days.

Immune—A person immune because of a previous attack may be released without change of residence.

Breadwinner—No restrictions.

School children—Non-immunes of 12 years of age or over are allowed to attend school without change of residence.

Teachers—No restrictions.

Concurrent disinfection—Discharges of nose and throat of patient shall be destroyed. (Regulation 11.)

#### CHOLERA

Placard—Yes.

Isolation of Patient—Yes—until clinical recovery and five successive negative stool examinations at 24-hour intervals, and aperients given before first, second, third and fourth examinations and a purge before the final examination.

Quarantine for contacts—Until three successive negative stool examinations have been made at 24-hour intervals.

Quarantine—Breadwinner—Yes. Teacher—Yes. School children—Yes.

Concurrent disinfection—Prompt and thorough disinfection of vomitus and stools, before removal from room. Food remnants to be burned. (Regulation 11.)

Terminal disinfection—Room thoroughly cleaned. No milk container shall be returned from premises under quarantine on account of cholera.

#### LEPROSY

Placard—Yes.

Isolation of Patient—Until clinical recovery.

Quarantine of contacts—None.

Concurrent disinfection of all discharges and articles soiled by the patient. (Regulation 11.)

Terminal disinfection—Thorough cleaning of living quarters of the patient.

No milk container shall be returned from premises under quarantine on account of leprosy until permission is granted by Medical Officer of Health.

#### PLAGUE

Placard—Yes.

Isolation of Patient—Yes—Until clinical recovery.

Quarantine of contacts—14 days.

Concurrent disinfection—All discharges and articles soiled by patient. (Regulation 11.)

Terminal disinfection—Thorough cleaning of quarters occupied by patient and extermination of vermin.

#### TYPHUS FEVER

Placard—Yes.

Isolation of Patient—Yes—42 days.

Quarantine of contacts, teachers, school children, breadwinner—14 days and complete delousing.

Current disinfection—None.

Terminal disinfection—Destroying all vermin and vermin's eggs on body of patient (if not already accomplished). Destruction of all vermin and eggs on clothing. Rooms to be rendered free of vermin.

#### YELLOW FEVER

Placard—Yes.

Isolation of Patient—Yes—until clinical recovery.

Quarantine of contacts—Six days for school children, teachers, breadwinner.

Concurrent disinfection—None.

Terminal disinfection—None.

#### REGULATION 14.

#### REPORTABLE DISEASES

Requiring isolation of the patient until clinical recovery, concurrent and terminal disinfection as indicated. No placard required.

Special regulations are applicable where noted.

#### ACTINOMYCOSIS

Reportable to Medical Officer of Health. Concurrent and terminal disinfection.

#### ANTHRAX

Reportable to Medical Officer of Health. Concurrent and terminal disinfection.

#### CHANCROID

(Special Regulations V.D. Prevention Act.)

#### CHICKENPOX

Reportable to Medical Officer of Health. Patient to be isolated until scales have disappeared and all lesions healed. Concurrent and terminal disinfection.

#### CONJUNCTIVITIS

(Ophthalmia Neonatorum)

Special Regulations Public Health Act, R.S.O. 1937, c. 299, sec. 56 (4). Isolation of patient—yes—until clinical recovery. Concurrent disinfection.

## Special Regulations:

- (a) Every physician in attendance upon a lying-in woman shall, immediately following the birth, instil into the eyes of the newly born child, a sufficient quantity (a few drops) of 1 per cent solution of nitrate of silver (supplied free by the Department of Health), or a 40 per cent solution of argyrol.
- (b) If within two weeks after the birth of a child one or both eyes shall become reddened, inflamed, swollen or show any discharge, every physician, midwife, nurse or person in charge of a maternity or other hospital where such child is, and every person in charge of a child shall forthwith report in writing to the Medical Officer of Health the name, age and address of such child, together with the circumstances of the case.
- (c) The Medical Officer of Health shall, upon receipt of the report referred to in paragraph (b), and if the child is not under the care of a legally qualified physician, direct the parents or whoever has charge of the child, to immediately place it in charge of a legally qualified physician, or if the parents or person in charge are unable to pay the cost of such attendance, the Medical Officer of Health shall provide the necessary treatment at the cost of the municipality.

## DYSENTERY

(Amoebic—Bacillary)

Reportable to Medical Officer of Health.

Isolation of patient—All urine and fecal discharges from the patient shall be treated with some disinfecting agent for thirty minutes before being disposed of in a sanitary manner, and to the satisfaction of the Medical Officer of Health.

No milk container shall be returned from any premises until recovery of the patient.

No person from a home which there is a patient suffering from Dysentery shall handle milk, butter or any dairy product which is to be sold or given for human consumption, or to be delivered to any creamery, butter factory or cheese factory. Milk and dairy products to be distributed from premises in which dysentery exists, shall be distributed only under precautions laid down by the Medical Officer of Health.

Concurrent and terminal disinfection. (Regulation 11.)

## ENCEPHALITIS

(Epidemic Infectious)

Reportable to Medical Officer of Health. Specify type if known.

Isolation of patient—Yes—until temperature becomes normal.

Quarantine of contacts—None.

Concurrent disinfection—Discharge of nose and throat to be destroyed.

Terminal disinfection—Thorough cleaning of patient's quarters. Screened rooms for patient.

## GONORRHOEA

Special Regulations—(The Venereal Diseases Prevention Act).

## GERMAN MEASLES

Isolation of patient for six days from appearance of rash.

Reportable to Medical Officer of Health. No quarantine of contracts. Concurrent and terminal disinfection.

## GLANDERS

Reportable to Medical Officer of Health.

Isolation of patient until clinical recovery.

Concurrent and terminal disinfection.

No quarantine of contacts.

#### INFLUENZA

Reportable to Medical Officer of Health.

Isolation of patient until clinical recovery—No quarantine of contacts. Concurrent and terminal disinfection.

#### INFECTIOUS JAUNDICE

Reportable to Medical Officer of Health.

No quarantine of contacts. Isolation of patient until clinical recovery. Concurrent and terminal disinfection.

#### MALARIA

Reportable to Medical Officer of Health.

Patient to sleep in screened porch. No concurrent or terminal disinfection.

#### MEASLES

Reportable to Medical Officer of Health.

Isolation of patient until seven days after the appearance of the rash.

Quarantine of contacts—None, with the following exception—if the Medical Officer of Health is not satisfied with the isolation of the patient, he may impose quarantine restrictions on any or all contacts. Concurrent and terminal disinfection.

#### MUMPS

Reportable to Medical Officer of Health.

No quarantine of contacts. Patient to be isolated until sixteen days from onset, if all swelling has subsided. Concurrent and terminal disinfection required.

#### PARATYPHOID FEVER

See special regulations.

#### PSITTACOSIS

Isolation of patient until clinical recovery. No quarantine of contacts.

Concurrent disinfection—Yes. All sputum and other discharges from patient shall be carefully collected and immediately destroyed or disinfected. Those nursing the disease should wear gloves and mask.

Removal from the home or destruction of such birds as parrots, parrakeets, love birds and canaries, with thorough disinfection of the room and contents where the birds have been kept.

Terminal disinfection—Yes. See special regulations.

No part of a shipment or cargo of birds, animals or other pet stock received into the Province shall be offered, displayed or advertised for sale, or sold by any person, firm or corporation without the written consent of the Medical Officer of Health of the municipality in which such person, firm or corporation conducts his or its business.

Such Medical Officer of Health shall have the power and authority to require and enforce the quarantine and isolation of any such shipment or cargo of birds, animals, other pet stock, or any part thereof, to prevent the spread of infection therefrom, which may be dangerous to the public health, and any and every person, firm or corporation in charge or control of any shipment or cargo of birds, animals or other pet stock, or any part thereof, shall at his or its own cost, expense and charge, comply with any or all of such requirements of such Medical Officer of Health as to quarantine, isolation or destruction thereof.

Upon failure of any person, firm or corporation to comply with such requirements, the Medical Officer of Health, at the expense of the municipality, shall seize and take possession of any birds, animals or other pet stock which in his judgment are or are likely to be infected, and shall quarantine and isolate such birds, animals or other pet stock until he can ascertain whether or not any of them are infected and dangerous to public health. If he finds any of them infected and dangerous to public health, he shall forthwith destroy such infected birds, animals or other pet stock, and the municipality may recover the cost of such quarantine, isolation and destruction from the owner of such birds, animals or other pet stock by action in any court of competent jurisdiction.

(1) In these regulations:

- (a) "Owner" shall include every person for the time being in control of any psittacine bird.
- (b) "Psittacine bird" shall mean parrot, parrakeet, love bird or budgerigar and every other bird declared a psittacine bird by the Minister of Health.

(2) Every owner, including dealers and breeders, shall report to the medical officer of health of the municipality in which he resides the number of psittacine birds under his control and the address of the premises where such birds are kept, together with such other information as the Medical Officer of Health shall require.

(3) Every dealer and every breeder of psittacine birds shall register with the Department of Health his name and address and the address of the premises where he keeps psittacine birds and shall disclose to the Department of Health upon request any information available to him as to the sources from which he secures or has secured any psittacine bird, and shall upon request give a record of the disposal by him of any psittacine bird.

(4) Every dealer and every breeder of psittacine birds shall keep a record of the source from which he secured any psittacine bird and a record of the disposal of any psittacine bird and shall report immediately such sale or transfer to the Medical Officer of Health. Further, every such dealer and breeder shall provide for the identification of psittacine birds by banding with a closed band every young psittacine bird coming into his possession.

(5) After October 1st, 1941, no owner shall sell or otherwise dispose to any other person a psittacine bird which is not banded with a closed band.

(6) Birds born on and after January 1st, 1942, must bear the band distributed by the Ontario Department of Health.

(7) Every owner of a psittacine or other bird which is infected with psittacosis, or is a carrier thereof or which has at any time been kept on the same premises as a psittacine bird which was infected with psittacosis or which was a carrier thereof shall deliver such bird to the Medical Officer of Health to be disposed of by the Medical Officer of Health in such manner as the Medical Officer of Health shall determine.

(8) No breeder of psittacine birds shall permit colony breeding.

(9) The Medical Officer of Health or other person appointed by him in writing for that purpose, may enter in and upon any house, out-house or premises, at any time, for the purpose of making enquiry and examination with respect to the health of any psittacine or other bird known or suspected to be therein and may cause the destruction of every psittacine or other bird found to be infected or believed to be infected with psittacosis and may cause the destruction of any or every psittacine or other bird that has been in the same premises and may cause the cages and utensils which have been used by such bird to be disinfected.

(10) Every breeder or dealer of psittacine birds shall deliver at any time upon request of the Medical Officer of Health or any other person appointed by him in writing, for the purpose of laboratory investigation, ten per cent of the birds in his control.

#### PUERPERAL SEPTICAEMIA

Isolation of patient—Yes. Quarantine of contacts—No. Concurrent disinfection, burning of all lochial discharges. Terminal disinfection thorough cleaning of quarters occupied by patient.

#### PNEUMONIA

Reportable to Medical Officer of Health.

Isolation of patient until clinical recovery. No quarantine of contacts. Concurrent and terminal disinfection.

## ROCKY MOUNTAIN SPOTTED FEVER

Reportable to Medical Officer of Health.

Isolation of patient until clinical recovery. No quarantine of contacts. Disinfection of patient. Terminal disinfection—cleaning of all premises.

## RABIES

Reportable to Medical Officer of Health.

Isolation of patient until clinical recovery. No quarantine of contacts. Concurrent disinfection—discharges from nose and throat of patient and articles soiled by patient. (Regulation 11.)

When any animal suspected of having Rabies has bitten a human being, the fact should be immediately reported to the Medical Officer of Health, who shall secure or cause to be secured such animal alive and without injury, if possible. The animal shall at once be securely chained up or confined to a safe and comfortable place, and a report giving full particulars concerning the action taken sent to the Department of Health. This report shall include the name of the locality in which the biting occurred (city, town, village or township), the date of biting, the name, residence and address of the owner of the animal, the full name of the person bitten, together with the place of residence and the names, addresses and residence of all owners of animals which have been bitten by the animal in question, together with a list and description of the animals bitten and the disposition made of the same. Such suspected rabid animal must be kept under careful observation by the Medical Officer of Health for at least fourteen days. (If after this interval the animal is living and well, it is not suffering from rabies.)

## SEPTIC SORE THROAT

(Epidemic Type)

Reportable to Medical Officer of Health.

Isolation of patient until clinical recovery.

Quarantine—None, except as it applies to food handlers. No person from a house in which there is a patient suffering from septic sore throat shall handle milk, butter, cheese or any other dairy product which is to be sold or given to any party or delivered to any creamery or butter factory or cheese factory. Any of these products may be distributed under precautions laid down by the Medical Officer of Health.

No milk container from a household during the existence of a case of septic sore throat shall be returned to any dairy or milk vendor.

Concurrent Disinfection—All discharges. (Regulation 11.)

Terminal Disinfection—Through cleaning. (Regulation 11.)

## SYPHILIS

Special Regulations (Venereal Diseases Prevention Act).

## TRACHOMA

Patient to be isolated. If a pupil or student, exclusion from school. No quarantine of contacts. Sanitary disposal of discharges. Concurrent disinfection. (Regulation 11.)

## TRICHINOSIS

Reportable to Medical Officer of Health.

Isolation of patient and sanitary disposal of feces of patient. No quarantine of contacts. Concurrent disinfection.

## TETANUS

Reportable to Medical Officer of Health. Isolation of patient. No quarantine of contacts. Concurrent and terminal disinfection of all discharges and soiled articles. (Regulation 11.)

## MINOR COMMUNICABLE DISEASES OF SCHOOL CHILDREN

Any person found to be suffering from epidemic conjunctivitis (pink eye), ringworm, scabies, pediculosis capitis, impetigo contagiosa, or other communicable diseases of the skin shall so conduct themselves to the satisfaction of the Medical Officer of Health that they do not expose others to the infection.

When a pupil is discovered or suspected to be suffering from epidemic conjunctivitis (pink eye), ringworm, scabies, pediculosis capitis, impetigo contagiosa or other communicable diseases of the skin, such child shall be excluded from attending at school until clinical recovery therefrom is shown to the satisfaction of the Medical Officer of Health. When a pupil is discovered to be suffering from any of the above mentioned diseases by the medical officer or the school nurse, report should be made to the principal who shall immediately send the pupil home and notify the Medical Officer of Health. In the absence of a school medical officer or school nurse, the principal shall when suspecting any pupil to be suffering from any of the above mentioned diseases immediately send the pupil home and notify the Medical Officer of Health.

A pupil so excluded shall be required to report to the school nurse or school medical officer, or in the absence of these, to the local Medical Officer of Health, within a period of one week for re-examination, and he shall not be re-admitted until he presents to the principal a certificate in writing signed by the Medical Officer of Health that such attendance may safely be allowed.

## TULAREMIA

Isolation of patient—No. Quarantine of contacts—None. Concurrent disinfection—Yes.

## TUBERCULOSIS

Reportable to Medical Officer of Health.

Isolation of patient—No. Quarantine of contacts—None.

Concurrent disinfection of all discharges.

Terminal disinfection—Thorough cleaning.

See special T.B. Regulations.

(1) Whenever any legally qualified medical practitioner knows any person, whom he is called upon to attend, has tuberculous disease, he shall, within twenty-four hours, give notice thereof on the prescribed form, to the Medical Officer of Health or the secretary of the Board of Health of the municipality in which such diseased person resides.

This section shall apply to the medical superintendent or person in charge of any general or other hospital or clinic for diseases of the lungs.

(2) The Medical Officer of Health shall copy the information received onto the form prescribed for Medical Officers of Health and forward the same to the Provincial Department of Health. The notifications received from the attending physician, hospital or clinic, shall be kept on file either in the office of the Medical Officer of Health or that of the secretary of the Board of Health of the municipality.

If the diseased person resides in unorganized territory, the attending physician shall notify the Provincial Department of Health direct, using either the form prescribed for the use of Medical Officers of Health or attending physicians.

(3) Immediately on receipt of a notice the Department of Health may, upon request of the Medical Officer of Health or the family physician, mail to the address of the patient such instructions for the care and prevention of the disease as may, from time to time, be authorized by the Department.

(4) The local Board of Health or Medical Officer of Health shall maintain whatever supervision they may deem necessary over any person known to have tuberculous disease and if, in their opinion, the health of others dwelling in the same house, or in personal contact with the patient, is threatened, they shall order the removal of the patient to a hospital or sanatorium.

(5) In the case of an indigent patient whose removal has been ordered, the expense of such removal to sanatorium or hospital shall be paid by the municipality in which the patient is a resident under the Sanatoria for Consumptives Act.

(6) If such patient has no municipal residence, the cost of his removal to sanatorium or hospital shall be paid out of the monies appropriated by the legislature for this purpose.



(7) In the case of unorganized districts these regulations with respect to tuberculosis shall be enforced and carried out under and by order of the Department of Health and the cost of removal to sanatorium, or hospital, shall be paid out of money appropriated therefor by the legislature.

(8) Where, in the opinion of the Medical Officer of Health, any person operating or residing in a boarding house or rooming-house is dangerous to others by reason of tuberculous disease, the Medical Officer of Health shall have power to order such person to discontinue operating or residing in such house.

(9) The Medical Officer of Health shall have power to exclude persons considered dangerous to others, from school, occupation or business.

(10) In the case of death or removal of a person suffering from tuberculosis, it shall be the duty of the Medical Officer of Health to provide that the residence of such patient shall be thoroughly and efficiently cleaned and renovated at the cost of the owner before any person is allowed to occupy such residence.

(11) The Medical Officer of Health may, when he deems necessary, inspect any premises occupied by any person or persons suffering from tuberculosis for the purpose of determining that such premises are suitable for the care of the diseased person and the protection of those in contact.

(12) The attending physician, or those in charge of a tuberculosis patient, shall at once notify the Medical Officer of Health of any changes in residence of the patient. In case such person shall remove to another municipality, province, state or country, the Medical Officer of Health shall notify the Ontario Department of Health. On receipt of such information the Department of Health shall at once notify the Medical Officer of Health of the municipality, or the appropriate officer of the province, state or country, to which such patient has removed.

(13) All information furnished to the Medical Officer of Health, or local Board of Health, and the entries made by the Medical Officer of Health, and all subsequent reports furnished with respect to any case of tuberculosis, shall, as far as possible, be treated confidentially. Persons having official knowledge of the case shall not divulge or permit to be divulged any of the particulars to any person except as authorized by the regulations.

(See also Regulations under The Public Hospitals Act and Regulations under The Sanatoria for Consumptives Act.)

#### UNDULANT FEVER

Reportable to Medical Officer of Health.

Isolation of patient during period of illness.

Quarantine of contacts—None. Concurrent disinfection of all discharges (feces, urine), and all articles soiled with discharges. (Regulation 11.)

#### TYPHOID AND PARATYPHOID FEVER

Reportable to Medical Officer of Health.

Isolation of patient in a fly-screened room.

Quarantine of contacts—None, except no one from a household in which there exists a case of Typhoid or Paratyphoid Fever or any Typhoid or Paratyphoid carrier, shall engage in the production or handling of milk, butter, cheese, or other dairy product which is to be sold or given to any party, or delivered to any creamery or butter factory, or cheese factory. Any of these products may be distributed under precautions laid down by the Medical Officer of Health.

No milk container from a house harboring a case of Typhoid or Paratyphoid Fever shall be returned to any dairy or milk vendor until permission has been given by the Medical Officer of Health.

All feces and urine from a patient suffering from Typhoid or Paratyphoid Fever shall be disinfected with some suitable disinfectant for at least thirty minutes before being disposed of in a sanitary manner, and to the satisfaction of the Medical Officer of Health.

Within five days after a patient has become afebrile following an attack of Typhoid or Paratyphoid Fever, the Medical Officer of Health shall cause to be submitted to a provincial laboratory, or a laboratory approved by the Department, specimens of urine and feces for examination for the presence or absence of Paratyphoid or Typhoid organisms. Two such examinations

shall be negative for Paratyphoid or Typhoid organisms, with specimens taken at least seven days apart before the patient shall be released from isolation restrictions as a convalescent carrier. If Typhoid or Paratyphoid Fever bacilli are found to be present in such, then the individual shall be considered a convalescent carrier and be subject to the following restrictions.

(1) In the case of patients who are employed in the handling, production, delivery or sale of milk or milk products, or in the preparation or handling of food, four negative stool examinations for the presence of Typhoid or Paratyphoid organisms shall be required before the patient shall be released from isolation restrictions.

(2) In the case of patients who are found to be excreting the Typhoid or Paratyphoid organisms subsequent to an attack of Typhoid or Paratyphoid Fever, such information shall be reported to the Department of Health of Ontario, giving the full name, age, occupation and address of such convalescent carrier.

#### PARATYPHOID AND TYPHOID CARRIERS

Whenever in the epidemiological investigation of a case or cases of Typhoid or Paratyphoid Fevers any person is suspected of being a typhoid or paratyphoid carrier, the medical officer of health may require such person whom he believes to be a carrier to submit two specimens of feces and urine for examination as to the presence or absence of typhoid or paratyphoid organisms.

If upon such examination such person is found to be excreting typhoid or paratyphoid organisms, he shall be declared a typhoid or paratyphoid carrier by the Medical Officer of Health of the municipality in which such carrier resides and shall be served with Form 1 Typhoid, declaring him to be a typhoid or paratyphoid carrier.

The Medical Officer of Health upon the determination that a person is a typhoid or paratyphoid carrier shall immediately report the fact to the Department of Health of Ontario, giving the full name, age, occupation and address of such carrier, together with any other information relating to possible or probable infection of others. The Medical Officer of Health shall also inform such person, or in the case of a minor under eighteen years of age, his guardian, that such person is a typhoid or paratyphoid carrier and shall give instructions in detail to the carrier as to the precautions to be observed in preventing the spread of typhoid or paratyphoid fevers.

Any convalescent carrier or chronic carrier who is deprived of his means of livelihood by any order given by the Medical Officer of Health may be entitled to compensation from the Provincial Department of Health on the following basis:

- (1) For unmarried person not exceeding twenty dollars per month;
- (2) For married man with dependants under the age of sixteen years, not exceeding twenty dollars per month plus five dollars per month for each dependant.

The decision as to who shall be eligible for compensation and the amount shall rest with the Minister whose decision shall be final, unless amended or revoked by him.

The release of any person who has been declared a chronic typhoid or paratyphoid carrier shall be made only by the Department of Health. To obtain release from isolation restrictions, the Department shall be satisfied that:—

- (a) The gall bladder has been removed.
- (b) That subsequent to the removal of the gall bladder each of three specimens of the duodenal contents taken in a hospital at intervals of not less than twenty-four hours, has been examined by a provincial laboratory and found to contain no typhoid or paratyphoid bacilli;
- (c) Further that subsequent to the removal of the gall bladder each of at least eight successive specimens of liquid feces taken in a hospital on successive days and under circumstances which do not permit of substitution, has been examined by a provincial laboratory and found to contain no typhoid or paratyphoid bacilli.
- (d) Where the gall bladder has not been removed, eight successive negative stool and urine specimens taken one week apart, under the direction of the medical officer of health, are required. These specimens are to be examined by a provincial laboratory, and taken under circumstances which do not permit of substitution.

## INSTRUCTIONS TO TYPHOID OR PARATYPHOID CARRIER

(a) A convalescent carrier shall observe the same precautions as a chronic carrier until released from restrictions;

(b) A chronic typhoid or paratyphoid carrier shall not prepare or handle any food or drink which is to be sold or distributed to any other person;

(c) The urine and feces of a typhoid or paratyphoid carrier shall be disposed of in such a manner as to not endanger any public or private water supply and shall not be accessible to flies;

(d) No typhoid or paratyphoid carrier shall conduct or be employed in any restaurant, hotel or boarding house or reside in any boarded home for children;

(e) No typhoid or paratyphoid carrier shall engage in occupation of nurse, cook, housemaid, waiter or in any occupation involving the handling of milk or milk products or of utensils used in the production thereof;

(f) No typhoid or paratyphoid carrier shall reside on any premises from which milk or cream is sold or shipped for sale to any dairy, creamery, butter or cheese factory unless a written guarantee endorsed by the producer or shipper is obtained from such carrier that they shall not engage in any way in the production of milk or care of the cattle or in handling any of the utensils used in milk production;

(g) No typhoid or paratyphoid carrier shall change his place of residence without giving due notice to the Medical Officer of Health of such proposed change and the Medical Officer of Health shall give notice of such change of residence to the medical officer of health of the municipality in which the carrier proposes to reside; and also to the Department of Health.

Subsection 3 of section 60a of The Public Health Act, R.S.O. 1937, as enacted by Statutes of Ontario, 1938, section 7, shall apply to Typhoid and Paratyphoid Fever.

“The Medical Officer of Health may give such orders or directions to any such carrier as he may deem necessary to prevent the spread of the disease and may direct such person to be isolated in any premises or locality and may prohibit such person from residing in any premises or engaging in any work which in the opinion of the medical officer is likely to cause the spread of the disease, and may do all such acts as are necessary to enforce the carrying out of any order, direction or prohibition.”

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor dated the 29th day of June A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that, pursuant to clause (v) of section 5, and section 91a of The Public Health Act, R.S.O. 1937, Chapter 299, as amended, your Honour approve the following regulations,—

Where a county has entered into an agreement with any school board for the employment by and at the expense of the county, of public health nurses in schools for the purpose of medical and dental inspection, Provincial aid shall be paid out of any moneys appropriated or voted for that purpose to such county in such amount as the Minister of Health may decide.

Certified,  
C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor dated the 23rd day of February A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that Regulation Number 26 of the regulations made pursuant to The Public Hospitals Act, passed by Your Honour on the 2nd day of October, A.D. 1942, be repealed and the following substituted therefor:

26. No medical practitioner shall charge any fee for attendance upon any patient for whose treatment the hospital receives any payment from a municipality, except where a patient is admitted to a public ward as a municipal charge and

(a) during the treatment it becomes known to the superintendent that such a patient is not indigent, such patient may, upon his transfer to a private or semi-private

ward, select the medical practitioner who shall attend him, and the medical practitioner may then charge a fee for his attendance, or

- (b) where a medical practitioner who is a member of the staff examines and certifies as to the incapacitation of such patient under the provisions of The Mothers' Allowances Act and the regulations thereunder.

Certified,

(Signed) C. H. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 22nd day of September, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that Regulation Number 26 of the regulations made pursuant to The Public Hospitals Act, passed by Your Honour on the 23rd day of February, A.D. 1943, be repealed, and the following substituted therefor:

26. No medical practitioner shall charge any fee for attendance upon any patient for whose treatment a municipality is liable under the provisions of The Public Hospitals Act except where a patient is admitted to a public ward as a municipal charge and

- (a) during treatment it becomes known to the superintendent that such a patient is not indigent, such patient may select the medical practitioner who shall attend him, and the attending medical practitioner whether so selected or not may then charge a fee for his attendance; or
- (b) where a medical practitioner who is a member of the staff examines and certifies concerning the incapacitation of such patient under the provisions of The Mothers' Allowances Act and the Regulations thereunder.

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 21st day of July, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that Section 57 of the Regulations under The Public Hospitals Act, R.S.O. 1937, Chapter 390, be amended by adding thereto the following subsection:

57. (3) Provincial aid payable to a general hospital for the treatment of every patient who at the time of admission was a resident of unorganized territory shall be at the rate of \$2.35 per diem.

This amendment of the Regulations to be effective as and from January 1st, 1942.

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 15th day of June, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Regulations under The Sanatoria for Consumptives Act, R.S.O. 1937, Chapter 395, be amended by adding thereto the following sections:

"Section 31. Employee shall mean any person employed by the sanatorium whose duty brings him or her in direct contact with patients or with patients' food, and without limiting the generality of the foregoing, shall include interns, nurses, dietitians, student nurses, maids, orderlies, technicians and masseurs.

Section 32. Every student nurse, undergraduate interne and undergraduate technician now or hereafter employed on the temporary or permanent staff of any sanatorium, shall receive a complete physical examination upon entering the employ of the sanatorium and at least once each year thereafter.

Section 33. For the purpose of these regulations, sanatorium employees are divided into Group I and Group II.

Section 34. Group I employee shall include:

- (a) Graduate nurse.
- (b) Student nurse.
- (c) Graduate interne.
- (d) Undergraduate interne.
- (e) Graduate Physiotherapist.
- (f) Graduate Occupational Therapist.
- (g) Nurses' assistants and orderlies.
- (h) Affiliates.

Section 35a. (1) Every Group I employee upon entering the employ of any sanatorium shall receive a tuberculin test.

(2) Every Group I employee who is deemed to have a negative tuberculin reaction shall receive an additional tuberculin test within six months from the date of the first test and shall receive an additional test within six months from the date of each such test where the result of the test is negative.

(3) Every Group I employee who is found to have a positive tuberculin reaction shall receive an X-ray examination of the lungs forthwith, and every six months thereafter.

(4) Every Group I employee whose X-ray film shows evidence of abnormal shadowing shall forthwith receive further examination to determine the nature of the disease.

(5) The tuberculin test referred to in the preceding subsections shall be carried out in a manner approved by the Division of Tuberculosis Prevention of the Department.

Section 35b. Group II employee shall include graduate and under-graduate dietitians and all other staff employed as food handlers, or in sanatorium kitchens, clinics, and all other staff engaged in ward duties.

Section 35c. (1) Every Group II employee shall receive an X-ray examination of the lungs forthwith upon entering the employ of a sanatorium.

(2) Every Group II employee whose X-ray film shows evidence of abnormal shadowing shall receive forthwith further examination to determine the nature of the disease.

Section 35c. Any Group I or Group II employee who is found to be suffering from active tuberculosis shall not be permitted to work in the sanatorium and it shall be the duty of the superintendent to report the case within 24 hours to the Medical Officer of Health of the municipality in which the sanatorium is situated."

Certified,

(Signed) C. H. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 29th day of June, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Regulations under The Sanatoria for Consumptives Act, R.S.O. 1937, Chapter 395, as amended by 1938, c. 34 and 1939, c. 42, Section 25, subsection (1) and subsection (2) be amended by substituting "\$2.10" for "\$2.07½" where the latter figure appears in each of the said subsections, effective as from January 1st, 1943.

Certified,

(Signed) C. H. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 29th day of June, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Order-in-Council approved by the Lieutenant-Governor on June 15th, 1943, amending the Regulations under The Sanatoria for Consumptives Act, R.S.O. 1937, Chapter 395, be further amended by adding thereto the following:

"36. No nurse in training shall be detailed to care for a patient known or suspected of having tuberculosis until she has received instruction in the necessary technique to protect herself against infection.

"37. It shall be the duty of the superintendent or other person in charge of every sanatorium to enforce the provisions of these Regulations.

"38a. It shall be the duty of the superintendent or other person in charge of every sanatorium to keep a record of every tuberculin test and every X-ray examination of the lungs in the case of every employee in such sanatorium.

"38b. These records shall be available for inspection at any time by any officer authorized by the Deputy Minister of Health."

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved the the Honourable the Lieutenant-Governor, dated the 17th day of September, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Regulations under The Sanatoria for Consumptives Act be amended by substituting the figure "\$10.00" for the figure "\$7.00" where they appear in Section 28, subsection (2), so that the subsection will read as follows:

"28. (2) The amount paid by the Department under this Regulation for food, lodging and necessaries shall not exceed Ten Dollars (\$10.00) per patient per week."

Certified,

(Signed) C. H. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council approved by the Honourable the Lieutenant-Governor, dated the 5th day of October, A.D. 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the Regulations under The Sanatoria for Consumptives Act be amended by adding thereto the following regulation:

"2a. The member of the Board appointed by the Lieutenant-Governor in Council shall hold office for three (3) years and or until his successor is appointed."

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

Copy of an Order-in-Council, approved by the Honourable the Lieutenant-Governor, dated the 26th day of January, A.D., 1943.

Upon the recommendation of the Honourable the Minister of Health, the Committee of Council advise that the regulations and forms respecting venereal diseases hereto attached, made in pursuance of The Venereal Diseases Prevention Act, 1942, be approved.

Certified,

C. F. BULMER,  
*Clerk, Executive Council.*

## REGULATIONS

Approved by the Lieutenant-Governor in Council upon the recommendation of the Minister of Health, pursuant to THE VENEREAL DISEASES PREVENTION ACT, 1942.

1. In these regulations:
  - (a) "Local board of health" shall mean the local board of health for any municipality or of a health unit;
  - (b) "Minister" shall mean Minister of Health for Ontario;
  - (c) "Public health nurse" shall mean a registered nurse within the meaning of The Nurses' Registration Act with such additional qualifications as may be required by the Minister.
2. The examination to ascertain whether or not a person is infected with venereal disease, or to ascertain the extent of venereal disease infection:
  - (a) In the case of gonorrhoea or suspected gonorrhoea, shall include a physical examination of the person with microscopical and, wherever possible, cultural examinations of the urethral and prostatic discharges of the male; and of the urethral, Bartholinic, vaginal and uterine discharges of the female;
  - (b) In the case of syphilis, or suspected syphilis, shall include a physical examination of the person, and an examination of the blood by one or more of the standard serological tests; a dark field microscopical examination, or a complete examination of the cerebro spinal fluid when either are deemed advisable, or are ordered or directed by the medical officer of health or the Minister; and
  - (c) In the case of chancroid or suspected chancroid, the examination shall correspond to that detailed under Clause (b) with the addition of the dark field microscopical examination, india ink preparation, or one of the recognized stains for treponema pallidum.
3. Every notice required or permitted to be given to any person under the Act may be given by sending it by registered post addressed to the person at his last known address.
4. Every local board of health shall provide for public advertising and placarding of such information relative to the cause, manifestations, treatment and cure of venereal disease and of the places where proper treatment may be procured, as the Minister may prescribe.
5. Whenever required by the Minister, every local board of health shall procure and provide for the putting up, in such places as may be deemed advisable, notices and placards relating to venereal diseases, their cause, manifestations, treatment and cure, but no such notice or placard shall be so used unless approved by the Minister.
6. Whenever required by the Minister, every physician shall report in such form and with such detail as the Minister may require with respect to the condition and treatments of persons infected with venereal disease who are or who have been under the diagnosis, treatment, care or charge of such physician.
7. Except in the case of public institutions (other than gaols and prisons) receiving Government aid, or which are maintained by the Government, every physician making an examination and report as required under Section 4 of The Venereal Disease Prevention Act, shall be paid by the Municipality over which the medical officer of health directing such examination has jurisdiction, the sum of Five Dollars (\$5.00), and where examination of the spinal fluid is advised, or required, the fee for taking the specimen and rendering a complete laboratory report on such shall be an additional Five Dollars (\$5.00).
8. The Minister may distribute to every physician and every hospital requiring it, such information respecting venereal disease as may be determined upon by the Minister, and every physician and hospital receiving such information shall distribute it in such manner as may be prescribed by the Minister.
9. The following shall be deemed approved methods and remedies for the treatment, alleviation and cure of venereal diseases:

- (1) Gonorrhoea:
  - (a) Sulphonamide compounds, or other approved chemical therapy.
  - (b) Local treatment by instillations, irrigations, massage and topical applications.
  - (c) Fever Therapy.
- (2) Syphilis:
  - (a) Arseno-benzol preparations.
  - (b) Bismuth, administered intramuscularly.
  - (c) Mercury, administered orally, intramuscularly, or by inunction.
  - (d) Iodides, administered orally or intravenously.
  - (e) Fever Therapy, by malarial inoculation or physical induction.

10. A clinic may be established for the treatment, alleviation and cure of venereal disease in any municipality where the Minister deems it necessary or advisable, and no clinic which has been established or which may hereafter be established, shall continue if the Minister in his sole discretion deems that it should be discontinued, nor shall any clinic be established without the approval of the Minister first having been obtained.

11.—(1) The Minister may grant financial assistance in the establishment and maintenance of venereal disease clinics which meet the requirements of the Act and these Regulations and whose personnel has the approval of the Minister.

- (2) Grants for this purpose shall not exceed the following amounts:
  - (a) \$1,000 for special furnishings, apparatus and equipment and any necessary alterations.
  - (b) \$500 per year towards the salary of the Public Health Nurse.
  - (c) \$1,200 per year honorarium for the Director of the Clinic, in exceptional cases subject to such increase as the Minister may deem advisable.
  - (d) Such amounts as the Minister may decide to medical assistants in the clinic, where such are deemed necessary. These amounts not to exceed \$800 to any one assistant, subject in exceptional cases to such increases as the Minister may deem advisable.
  - (e) 25c. for each out-patient treatment for gonorrhoea or syphilis not exceeding one treatment per day.
  - (f) When the irrigation method of treatment of gonorrhoea is required, payment will be made by the Department at the rate of one treatment per day, for a period not exceeding four weeks, providing that one or more treatments are given on each day charged for, and providing that the patient is seen at least twice weekly during the period of treatment by a physician.
  - (g) Unless administered by a physician, no treatment such as prostatic massage, passage of sounds, deep instillations or topical applications, will be paid for.
  - (h) The Minister may establish in General Hospitals, in Public Hospitals, or in such place or places where he considers it necessary or advisable, a clinic for the treatment of venereal disease by means of physical therapy.
- (3) The personnel of such a clinic, the members of which shall hold office during the pleasure of the Minister, shall consist of:
  - (a) A director for fever therapy, who shall, whenever possible, be one of the medical personnel of a Venereal Disease Clinic, who shall be granted an honorarium, the amount of which shall be determined by the Minister in each case, and whose duties shall be to select suitable patients, and to supervise the treatment and the aftercare of patients suitable for fever therapy, and
  - (b) One or more nurse technicians specially trained in fever therapy, who shall be employed by the Department of Health.



12. Where a clinic has been or is established by a hospital or local Board of Health, the Minister shall approve of the personnel who shall hold office during his pleasure, and the following requirements shall apply to such clinic:

- (a) The accommodation, furnishings and apparatus of the clinic shall be approved by the Minister;
- (b) That the medical personnel of the clinic shall be appointed by the hospital or local Board of Health and that such medical personnel shall be approved by the Minister;
- (c) There shall be at least one public health nurse who shall carry out her duties under the hospital or local board of health by whom she is employed;
- (d) Such nurses, orderlies and clerical help as are deemed advisable by the Minister and meet with his approval, shall be employed;
- (e) Treatment shall be given to all patients who apply for and require it, and such treatment shall be free unless the Minister authorizes the payment of fees, which shall in no case exceed One Dollar for each treatment;
- (f) When collection of fees has been authorized by the Minister, an amount not exceeding One Dollar shall be collected as the Minister may direct, and shall be entered in a special account which shall be dispersed only as the Minister may direct and such special account shall be open to and audited by the Government auditors at such time or times as the Minister may direct;
- (g) At least one night and two day clinics are to be held weekly at hours satisfactory to the Minister;
- (h) Out-patient treatments shall be given to patients from other municipalities when they apply for and require it;
- (i) Men and women shall be treated in the clinic at separate hours;
- (j) A monthly report shall be furnished to the Minister on the prescribed form;
- (k) The clinic, including records, apparatus, social service work, treatment, and general administration, shall at all times be open to inspection by and subject to the requirements of the Minister;
- (l) At least 6 months' notice shall be given of the intention of a hospital or local board of health to close a clinic, and where a clinic is closed in less than two years from the time of its establishment, any special furnishings, apparatus and equipment shall be returned to the Minister;
- (m) The public health nurse shall follow up cases and arrange for the examination of contacts under the direction of the local medical officer of health;
- (n) Spinal punctures shall be done by physicians on the clinical staff, who shall be approved by the Minister; and
- (o) Clinic accounts for, or relating to, treatment of patients shall be rendered monthly to the Minister on the prescribed monthly report form.

13.—(1) Patients suffering from venereal disease, who are unable to pay for treatment by a private physician, shall be referred for necessary treatment to a venereal disease clinic, if such is available, but if no clinic is available, authorization for treatment shall be given by the local medical officer of health to a physician.

(2) The scale of fees to be paid to physicians for the treatment of such patients shall be, for syphilis, \$2.00 for each intravenous injection, and \$1.00 for each intramuscular injection, and for gonorrhoea, \$1.00 for each office consultation or treatment, not to exceed a total of \$12.00, except in cases where local treatment has been authorized by the Minister.

(3) In the treatment of gonorrhoea, the cost of the drugs used shall be included in the fees so prescribed.

(4) The fee for taking a spinal fluid examination and rendering a complete laboratory report shall be \$5.00.

(5) The account of the physician shall be rendered quarterly to the local medical officer of health, who shall present it to the local board of health with his certificate as to the accuracy

thereof for payment forthwith, without disclosing the name of the patient, and a copy of the account as approved shall be forthwith forwarded to the Department, after payment to the physician has been made.

(6) Where it is necessary for the physician to attend the patient at some place other than the physician's office, he shall be entitled to mileage at the rate of 25 cents per mile, one way, in addition to the above-mentioned fees but before granting authorization to a physician for such mileage allowance the local medical officer of health shall first receive the approval of the Minister.

(7) The municipality paying such fees and mileage to the physician shall be entitled to a reimbursement from the Department of Health of 75% of the amount so paid.

(8) Upon the municipality making claim for each reimbursement from the Department, the patient shall be identified in the account by the Department registration number, which the physician may obtain from the Department on request, and before presenting the bill to the municipality.

14.—(1) Where patients suffering from syphilis have been admitted to the public ward of a General Hospital for any of the following:

- (a) intensive treatment of early syphilis;
- (b) fever therapy of neurosyphilis; or
- (c) lumbar puncture,

the hospital shall refer its account for such hospitalization directly to the Minister of Health who may authorize payment thereof.

(2) Such account shall not exceed in any case \$3.00 per day.

(3) In cases of five or six day intensive treatment of early syphilis the account shall not exceed \$30.00 without the approval of the Minister.

(4) In cases of less intensive treatment of early syphilis, the account shall not exceed \$63.00 without the approval of the Minister.

(5) In cases of fever therapy the account shall not exceed \$72.00 without the approval of the Minister.

(6) The payment of hospitalization for lumbar puncture cases suffering from syphilis will be for one day only.

(7) The decision as to the payment in every case mentioned in this regulation shall be in the entire discretion of the Minister.

(8) The Provincial aid under The Public Hospitals Act is included in the above rates.

15.—(1) Where a medical officer of health has, with or without the approval of the Minister of Health, ordered the detention of a person suffering from venereal disease in a reformatory or gaol, the account for the cost of the maintenance and treatment of such person for the time he is detained after the expiration of any sentence he may be serving, shall upon being approved by the local medical officer of health and the Minister of Health be paid out of the Consolidated Revenue Fund.

(2) The cost of such treatment shall conform with the fees prescribed in Regulation 13.

16. The Minister shall supply such therapeutic preparations for the treatment of venereal disease as he may deem advisable to all physicians making a request therefor on the approval requisition form.

17.—(1) It shall be the duty of every physician who attends upon or prescribes for, or treats any patient infected with venereal disease, to instruct such patient in all measures necessary for preventing the spread of, and the exposure of other persons to such disease, and in addition he may give him a copy of the circular of the information obtainable for this purpose from the Department of Health.

(2) No person infected with venereal disease shall change his place of residence without giving due notice of such proposed change, with the new address, to the attending physician.

18.—(1) In case of an appeal from any action or decision of the medical officer of health under this Act, an application for appeal shall be made in writing to the Minister, who shall thereupon set a date for the hearing within two weeks from the receipt of the application.

(2) Notice shall be given by the Minister in writing by registered post, of the date and place of hearing to all parties concerned.

(3) The hearing shall be in camera.

(4) The decision of the Minister shall be final.

19. Every person who has been infected with or is under treatment for syphilis shall submit to a spinal fluid examination at such intervals as may be directed by the Minister or medical officer of health.

20. The following forms are prescribed under The Venereal Disease Presentation Act, 1942.

21. The regulations heretofore in force are revoked.

FORMS

Approved by the Lieutenant-Governor in Council upon the recommendation of the Minister of Health, pursuant to THE VENEREAL DISEASES PREVENTION ACT, 1942.

FORM 1 V.D.

NOTICE TO PERSONS SUSPECTED TO BE INFECTED OR EXPOSED TO INFECTION WITH VENEREAL DISEASE

TO: .....  
OF.....

Under authority of The Venereal Disease Prevention Act, you are hereby directed to present yourself to and submit to an examination by a physician within twenty-four hours after receipt of this notice. You are further directed to procure and produce to me a satisfactory report or certificate of the aforesaid physician within..... hours following the examination that you are or are not infected with venereal disease, and if so, in what form. The above examination shall (shall not) include an examination of the spinal fluid.

(Signed).....  
(Medical Officer of Health)

Address.....

Date.....

PENALTY FOR NON-COMPLIANCE—A fine of not less than \$100 nor more than \$500 and in default of immediate payment, imprisonment for a period not exceed twelve months.

*(Note Other Side of This Form)*

*(Reverse Side of Above Form)*

VENEREAL DISEASES PREVENTION ACT, 1942

Section 2 (1) and (2)

(1) Every person infected with venereal disease upon becoming aware or suspecting that he is so infected shall place himself forthwith under the care and treatment of a physician, and if unable to obtain such care or treatment he shall apply to the medical officer of health for the place in which he is ordinarily or temporarily resident who shall direct his course of conduct and treatment.

(2) Every such person shall continue treatment until he obtains from the attending physician a notice in writing that he has received adequate treatment.

Section 4

(1) Where a medical officer of health has reasonable grounds for believing that a person within the municipality is or may be infected with venereal disease or has been exposed to infection, the medical officer of health may give notice in writing in the prescribed form to such person directing him to submit to an examination by a physician designated by or satisfactory to the

medical officer of health, and to procure and produce to the medical officer of health within the time specified in the notice, a report or certificate of the physician that such person is or is not infected with venereal disease.

(2) Every person who without reasonable excuse, the proof of which shall be upon him, fails to comply with a direction made under subsection 1 shall incur a penalty of not less than \$100.00 nor more than \$500.00 and in default of immediate payment shall be imprisoned for a period not exceeding twelve months.

(6) A medical officer of health may require a person whom he believes may be infected with Venereal Disease to undergo more than one examination in order to determine the presence or absence of such infection.

FORM 2 V.D.

NOTICE TO PHYSICIAN TO EXAMINE AND REPORT UPON A PERSON SUSPECTED TO BE INFECTED WITH VENEREAL DISEASE

TO..... (Name of Physician)

OF.....

You are hereby authorized under The Venereal Diseases Prevention Act to examine and report to me within.....hours following the examination, as to whether or not.....of.....is infected with venereal disease, and if so, in what form.

(Signed)..... (Medical Officer of Health)

Address.....

Date..... (Note Other Side of This Form)

(Reverse Side of Above Form)

Regulation 2: The examination to ascertain whether or not a person is infected with venereal disease, or to ascertain the extent of venereal disease infection:

- (a) In the case of gonorrhoea or suspected gonorrhoea shall include a physical examination of the person with microscopical and, wherever possible, cultural examinations of the urethral and prostatic discharges of the male; and of the urethral, bartholinic, vaginal and uterine discharges of the female;
(b) In the case of syphilis, or suspected syphilis, shall include a physical examination of the person, and an examination of the blood by one or more of the standard serological tests; a dark field microscopical examination, or a complete examination of the cerebro spinal fluid when either are deemed advisable, or are ordered or directed by the Medical Officer of Health or the Minister; and
(c) In the case of chancroid or suspected chancroid, the examination shall correspond to that detailed under clause (b), with the addition of the dark field microscopical examination, india ink preparation, or one of the recognized stains for treponema pallidum.

FORM 3 V.D.

CERTIFICATE OF PHYSICIAN ON EXAMINATION OF A PERSON SUSPECTED TO BE INFECTED WITH VENEREAL DISEASE

I hereby certify that on the.....day of.....19.... I examined.....of.....infected and found.....not infected with venereal disease in the form of.....

(Signed)..... (Name and Address of Physician)

Date..... (Note Other Side of This Form)

(Reverse Side of Above Form)

Regulation 2: The examination to ascertain whether or not a person is infected with venereal disease, or to ascertain the extent of venereal disease infection:

- (a) In the case of gonorrhoea or suspected gonorrhoea shall include a physical examination of the person with microscopical and, wherever possible, cultural examinations of the urethral and prostatic discharges of the male; and of the urethral, Bartholinic, vaginal and uterine discharges of the female;
- (b) In the case of syphilis, or suspected syphilis, shall include a physical examination of the person, and an examination of the blood by one or more of the standard serological tests; a dark field microscopical examination or a complete examination of the cerebro spinal fluid when either are deemed advisable, or are ordered or directed by the Medical Officer of Health or the Minister; and,
- (c) In the case of chancroid or suspected chancroid, the examination shall correspond to that detailed under clause (b) with the addition of the dark field microscopical examination, india ink preparation, or one of the recognized stains for *Treponema pallidum*.

FORM 4 V.D.

ONTARIO

PROVINCIAL DEPARTMENT OF HEALTH

NOTICE RESPECTING THE COURSE OF CONDUCT OF A PERSON  
INFECTED WITH VENEREAL DISEASE

Under the provisions of The Venereal Diseases Prevention Act, you.....  
of.....are hereby notified and required to present  
yourself to.....M.D. of.....  
a legally qualified medical practitioner for treatment. You are required to continue under treat-  
ment until the degree of treatment secured is considered adequate by the attending physician  
and the Minister.

(Signed).....  
(Medical Officer of Health)

Address.....

Date.....

Penalty for Non-compliance: See Section 2 (3) on back of this form.

(Note Other Side of This Form)

(Reverse Side of Above Form)

EXTRACTS FROM VENEREAL DISEASES PREVENTION  
ACT AND REGULATIONS

SECTION 2—(1) Every person infected with venereal disease upon becoming aware or suspecting that he is so infected shall place himself forthwith under the care and treatment of a physician, and if unable to obtain such care or treatment, he shall apply to the medical officer of health for the place in which he is ordinarily or temporarily resident who shall direct his course of conduct and treatment.

(2) Every such person shall continue treatment until he obtains from the attending physician a notice in writing that he has received adequate treatment.

(3) Every person who fails to comply with any of the provisions of this section shall incur a penalty of not less than \$100 nor more than \$500 and in default of immediate payment shall be imprisoned for a period not exceeding twelve months.

SECTION 9.—(1) Where a person who has been under treatment for venereal disease refuses or neglects to continue treatment in a manner and to a degree satisfactory to the attending physician and the Minister, the physician shall report to the Minister the name and address of such person together with such other information as may be required by the regulations.

REGULATION 17.—It shall be the duty of every physician who attends upon or prescribes for, or treats any patient infected with venereal disease to instruct such patient in all measures necessary for preventing the spread of and the exposure of other persons to such disease, and in

addition thereto may give him a copy of the circular of the information obtainable for this purpose from the Department of Health of Ontario.

CRIMINAL CODE, Section 307—in part—reads as follows:

“Any person who is suffering from venereal disease in a communicable form, who knowingly or by culpable negligence communicates such venereal disease to any other person shall be guilty of an offence, and shall be liable upon summary conviction to a fine not exceeding five hundred dollars or to imprisonment for any term not exceeding six months, or to both fine and imprisonment.”

FORM 5 V.D.

AUTHORITY TO ENTER IN AND UPON A HOUSE OR PREMISES

Under the authority of The Venereal Diseases Prevention Act, I hereby authorize you to enter in and upon the house, outhouse or premises at ..... in the daytime for the purpose of making enquiry and examination with respect to the state of health of ..... and submit to me a report thereon.

(Signed) ..... (Medical Officer of Health)

Address .....

Date .....

(Note Other Side of This Form)

(Reverse Side of Above Form)

Section 24:

“The medical officer of health or a physician designated by him in writing for the purpose may enter in and upon any house, outhouse or premises in the day time for the purpose of making inquiry and examination with respect to the state of the health of any person therein and may cause any person found therein who is infected with any venereal disease to be removed to a place of detention or may give such directions as may prevent other persons in the same house, outhouse or premises from being infected.”

FORM 6 V.D.

PROVINCE OF ONTARIO

DEPARTMENT OF HEALTH

REPORT OF VENEREAL DISEASE

Name or Initials of Patient ..... Municipality ..... Year of Birth ..... Sex ..... Marital Status ..... Source of infection in this case: Name ..... Address .....

Gonorrhoea: Acute ..... Chronic ..... Syphilis: Early (up to 2 years) ..... Late—With clinical signs ..... positive blood only ..... Neurosyphilis ..... Congenital .....

Is patient continuing under treatment with you? ..... If not, give name and address of physician who will treat patient .....

Has patient been treated previously? Yes. . . . . No. . . . .  
Name of last physician. . . . .  
Address. . . . .  
Date of last treatment. . . . .

Signature. . . . .  
(Physician, Supt., or Head of Institution)  
Address. . . . . Date. . . . .  
(Note Other Side of This Form)

(Reverse Side of Above Form)

Section 3.—(1) It shall be the duty of

- (a) every physician;
- (b) every superintendent or head of a hospital, sanatorium, or laboratory, and
- (c) every person in medical charge of any gaol, lock-up, reformatory, industrial farm, training school, school or college, industrial, female or other refuge, or other similar institution

to report to the Minister every case of venereal disease coming under his diagnosis, treatment, care or charge for the first time.

(2) The report in the prescribed form shall be completed and forwarded to the Minister within twenty-four hours after the first diagnosis, treatment or knowledge by or of such physician, head, or other person.

SECTION 11

PENALTY FOR NON-COMPLIANCE—Not less than \$25.00 nor more than \$100.00, and in default of immediate payment, imprisonment for a period not exceeding three months.

FROM 7 V.D.

PROVINCE OF ONTARIO

DEPARTMENT OF HEALTH

REPORT OF DISCONTINUANCE OF TREATMENT  
FOR VENEREAL DISEASE

Name. . . . .  
Address. . . . .

This patient has been under treatment with me for Syphilis. . . . .  
Gonorrhoea. . . . . and has failed to report for treatment within seven days  
of appointment.

Date of last treatment from me. . . . .

Was advised to return to me for further treatment on. . . . .

. . . . . M.D.

Address. . . . .

Date. . . . .

(Note Other Side of This Form)

(Reverse Side of Above Form)

VENEREAL DISEASE PREVENTION ACT

Section 9, Subsections (1), (2), (3)

(1) Where a person who has been under treatment for venereal disease refuses or neglects to continue treatment in a manner and to a degree satisfactory to the attending physician and the Minister, the physician shall report to the Minister the name and the address of such person together with such other information as may be required by the regulations.

(2) A person who fails to attend upon his physician within 7 days of an appointment for treatment shall be presumed to have neglected to continue treatment and the attending physician shall report such failure in writing to the Minister within 14 days of the appointment.

(3) A physician who fails to report as required by this section shall incur a penalty of not less than \$25.00 and not more than \$100.00.

FORM 8 V.D.

PROGRESS REPORT ON PATIENT UNDER TREATMENT FOR SYPHILIS

Registration No. .... Date .....

Name or Initial of Patient .....

Year of Birth ..... Sex ..... Married or Single .....

Municipality .....

Is Patient still under your care for Syphilis? Yes ..... No .....

If not, give name of Physician or Clinic .....

Address of Physician or Clinic .....

Summary of Treatment since .....

Number of Injections Arsenicals .....

Specify .....

Number of Injections Heavy Metals .....

Specify .....

Fever Therapy (Number of hours) .....

Other Treatment .....

Date of last Blood Serology .....

Results:—Kahn ..... Quantitative Kahn .....

Wasserman .....

Is this Patient (a) On Active Treatment? Yes ..... No .....

(b) On Rest Period? Yes ..... No .....

(c) On Observation only? Yes ..... No .....

Date of last Spinal Fluid Examination .....

Results .....

If a case of Neurosyphilis, is Fever Therapy indicated? .....

State in which Group this Case belongs:

(1) Early (up to 2 years) .....

(2) Over 2 years with positive blood only .....

(3) Over 2 years with clinical signs .....

(4) Neurosyphilis .....

(5) Congenital .....

Have contacts been examined? .....

If Patient has discontinued treatment against advice, give name and address:

Name ..... Address .....

Name ..... M.D. ....

Address .....

Date .....

REGULATION 6 V.D.—Whenever required by the Minister, every physician shall report in such form and with such detail as the Minister may require with respect to the condition and treatments of persons infected with venereal disease who are or who have been under the diagnosis, treatment, care or charge of such physician.

(Private and Confidential)



FORM 9 V.D.

DEPARTMENT OF HEALTH

VENEREAL DISEASE PREVENTION ACT

ORDER FOR APPREHENSION AND DETENTION OF PERSON INFECTED WITH VENEREAL DISEASE

Date.....

TO.....

WHEREAS..... of..... was on or about the..... day of..... physically examined by..... M.D. a duly licensed and qualified physician.

AND WHEREAS it appears by the report or certificate made by the said physician made under date of..... that the said..... is infected with venereal disease.

AND WHEREAS it is necessary and desirable in the public interest that the said..... should be prevented from infecting others with the said disease.

NOW, THEREFORE, I do order you to apprehend the said..... and safely to convey..... to..... at..... and there to deliver..... to the superintendent or keeper thereof, together with this order.

And you, the said..... are hereby ordered to receive the said..... into your custody and safely to keep..... until the course of treatment prescribed or to be prescribed from time to time is completed and the said..... is adequately treated.

(Signed)..... (Medical Officer of Health)

Municipality of.....

(Note Other Side of This Form)

(Reverse Side of Above Form)

Section 4, subsection (3):

If by the report or certificate mentioned in subsection 1, it appears that the person so notified is infected with venereal disease, the medical officer of health may,—

- (b) with the approval of the Minister, order in writing that such person be removed and detained in a place of detention for the prescribed treatment until such time as the medical officer of health is satisfied that an adequate degree of treatment has been attained.

FORM 10 V.D.

DEPARTMENT OF HEALTH

VENEREAL DISEASE CONTROL

DISCHARGED CASES FROM CLINIC

Date of Report:.....

Name:.....

Address:.....

Syphilis: ..... Gonorrhoea: .....

Sex: ..... Marital Status: ..... Date of Birth: .....

Date admitted to Clinic: .....

Date discharged: .....

Discharged: Cured: .....  
To another physician: ..... If so,  
Name: ..... Address: .....  
Other reasons (give particulars): .....

Date of last blood test: .....  
Result: .....

Date of last smear: .....  
Result: .....

Date of Spinal Fluid: .....  
Result: .....

Remarks: .....  
.....

Signed .....  
(Clinic Director)

Name of Clinic.....

Address.....

## DIVISION OF MEDICAL STATISTICS

L. S. PENROSE, M.A., M.D., *Acting Director*

Extended leave of absence for service with His Majesty's Forces was granted to Dr. A. H. Sellers, who left on November 12th, 1940, and to C. R. Myers, Ph.D., who took over the directorship for a year in Dr. Sellers' absence. The regular work of the Division has been carried on under the part-time supervision of Dr. L. S. Penrose of the Ontario Hospital, London, since November, 1941. The personnel of the Division suffered a further loss in May, 1943, when the chief assistant, Mr. W. B. Marr, was granted leave of absence to join the Canadian Army. The work of the Division has, however, been carried on and some of the surveys made have recently derived increased significance in relation to post-war plans for public health services. The activities of the Division fall into four main classes—Statistical Analysis relating to Mental Hospitals, Public Hospitals and Cancer Control and Special Problems.

## 1. MENTAL HOSPITAL STATISTICS

*(a) Monthly Surveys and Reports.*

Monthly statements relating to the movement of patient population, etc., are submitted to the Division by each Ontario Hospital. From these statements are compiled monthly reports which indicate the trend of the patient population, i.e. whether the patient population has increased or decreased as compared with the same period during the previous years, together with a periodic analysis of admission, discharges, etc., and surveys concerning bed occupancy and estimates of future requirements.

*(b) Annual Report.*

Each Ontario Hospital also submits an annual report comprising some 30 statistical tables, which give full details of the hospital population during the year. A synthesis of these reports together with other information dealing with dental, laboratory, nursing and x-ray services forms the annual report for mental hospitals.

*(c) Mental Health Clinics.*

In previous years the coding and tabulation of the individual Mental Health Clinic records was carried on by the Division. Since 1942, each clinic has submitted a statistical report in much the same manner as do the Ontario Hospitals. The results of this analysis will be found in the Annual Report of the Hospitals Division for the year ending March 31st, 1943.

*(d) Mental Hospital Index.*

The alphabetical index covering all males and females between the ages of 16-44 years who have been patients in Ontario Mental Hospitals, or who have been examined by Ontario Mental Health Clinics which was commenced in November, 1939, has been continued. This complete index provides a record of all patients and is readily available to the National Defence authorities.

## 2. SURVEY OF PUBLIC GENERAL HOSPITALS

During the year some specific surveys of patients in public general hospitals were made and assistance was given to other Divisions on problems of bed occupancy and types of patients treated.

## 3. CANCER STATISTICS

The collection and tabulation of statistical information concerning Cancer Control has been one of the foremost responsibilities. Arrangements were made with the seven Ontario Cancer Centres whereby the follow-up cards for all patients examined at the clinics during the year are forwarded to the Division for analysis. All deaths occurring among patients treated for cancer in the clinics are checked against the official death certificates by the Division. An effort has been made in this and other ways to assist the clinics to complete their follow-up of patients.

## 4. SPECIAL PROBLEMS

*(a) Procurement and Assignment Board Survey.*

A survey of professional personnel in mental hospitals and tuberculosis sanatoria throughout the Dominion was made on behalf of the Canadian Medical Procurement and Assignment Board. The work was carried out in association with the statistical staff of the School of Hygiene and involved extensive tabulations.

*(b) Insulin and Metrazol Treatment.*

A critical survey of the results of Shock Therapy in the mental hospitals, similar to that carried out in the previous year, was undertaken. The cases surveyed were 1600 patients treated during the years 1938-1941 and followed up over an average period of about five years. The method used in assessing the value of treatment was devised in the Division and an account of it published.\*

*(c) Chief Causes of Death.*

Following the procedure of previous years, the Division has prepared a bulletin concerning the chief causes of death in Ontario for the year 1942. This bulletin was sent to the Medical Officers of Health in the larger communities throughout the Province. The data are appended to the present report. (See below.)

*(d) Miscellaneous.*

The Division also endeavours to assist other Divisions of the Department in respect to various requests for statistical information. It is significant that a large proportion of the work done by the Division takes the form of prompt and accurate replies to such requests. In addition to this, the preparation of charts, diagrams, and maps for special purposes, constitute another type of useful statistical service. Such work is of recognized value to the other Divisions in dealing with their administrative, research and educational problems.

## THE CHIEF CAUSES† OF DEATH IN ONTARIO DURING 1942

The following tables are based on the official records of the Dominion Bureau of Statistics and summarize the chief causes of death in Ontario during the year 1942. The list of Causes of Death follows the Fifth Revision of the International List by the Commission in Paris in 1938 for 1942, as in 1941, in Bulletin No. 7B, so that the figures in these reports are strictly comparable.

In 1942 the crude death rate of 10.23 per 1,000 population was slightly lower than that of 10.36 in 1941. The rate had increased slightly, in 1941 and

\*Penrose, L. S., and Marr, W. B. *Journal of Mental Science*, Vol. LXXXIX, No. 376-377, July-October, 1943.

†"Chief causes" has the force of "most frequent causes" without any other implication.

1940, as was to be anticipated from the fact that the population of Ontario is slowly but steadily becoming older; the recession of the crude death rate will probably be only temporary.

Table I shows against 20 specific causes, and all other causes, the number of deaths, the specific rate per 100,000 population and the percentage of all deaths due to that cause. The 20 commonest specific causes of death in 1942 (the same 20 as in 1941) were responsible for 34,951 deaths or 89.3 per cent of all those recorded during the year. The order of ranking is identical in 1942 with that in 1941, down to item 11, i.e., to congenital malformations. Below that point in the table only diseases of the prostate kept its rank from 1941 into 1942. For

TABLE I  
CHIEF CAUSES OF DEATH—ALL AGES  
ONTARIO, 1942

Rank	CAUSE OF DEATH	Int'l. List Numbers	Number of Deaths	Specific* Death Rate	Per Cent of Tntal Deaths
1	Diseases of the heart.....	90-95	12,069	315.6	30.9
2	Cancer (all forms).....	45-55	5,005	130.9	12.8
3	Intracranial lesions of vascular origin.....	83	3,950	103.3	10.1
4	Accidental causes.....	169-195	2,663	69.6	6.8
5	Nephritis.....	130-132	1,957	51.2	5.0
6	Pneumonia and bronchitis...	106-109	1,905	49.8	4.9
7	Tuberculosis (all forms)....	13-22	1,093	28.6	2.8
8	Diseases of the arteries.....	96-99	984	25.7	2.5
9	Diabetes mellitus.....	61	914	23.9	2.3
10	Prematurity.....	159	819	21.4	2.1
11	Congenital malformations...	157	675	17.6	1.7
12	Diarrhoea, enteritis and dysentery.....	27, 119, 120	377	9.9	1.0
13	Senility.....	162	366	9.6	0.9
14	Suicide.....	163-164	351	9.2	0.9
15	Ulcer of stomach and duodenum.....	117	325	8.5	0.8
16	Diseases of the prostate.....	137	321	8.4	0.8
17	Injury at birth.....	160	319	8.3	0.8
18	Hernia and intestinal obstruction.....	122	308	8.1	0.8
19	Syphilis.....	30	277	7.2	0.7
20	Influenza.....	33	273	7.1	0.7
Total.....			34,951	9.14†	89.3
All Other Causes.....			4,168	1.09†	10.7
GRAND TOTAL.....			39,119	10.23†	100.0

\*Rates per 100,000 population (3,824,734) estimated.

†Rates per 1,000 population.

these last nine items, however, where the rate is about 10 in 10,000 of the population, the changes in rank are possibly due to annual fluctuations except in the case of influenza which ranked twentieth in 1942 from twelfth in 1941, due to a rate in 1942 of 7.1 instead of 12.3 per 100,000 population.

*Diseases of the heart*, the commonest cause, accounted for 12,069 deaths or 30.9 per cent of all the deaths in 1942, as compared with 11,676 or 29.8 per cent

in 1941. Probably the increase, involved, reflects a change in the age structure of the population.

*Cancer (all forms)* continued to contribute substantially to the death rate as second most common cause; it was responsible for 5,005 deaths or 12.8 per cent of all deaths in 1942 as compared with the very similar figures of 4,931 or 12.6 per cent in 1941.

*Accidental Causes*, which ranked fourth, continued a major cause of death, with 2,663 casualties or 6.8 per cent of all deaths in 1942, as compared with 2,943 or 7.5 per cent in 1941.

The remaining eight commonest causes of death (3, intracranial lesions of vascular origin, 5, nephritis, 6, pneumonia and bronchitis, 7, tuberculosis (all forms), 8, diseases of the arteries, 9, diabetes mellitus, 10, prematurity, and 11, congenital malformations) show but slight fluctuations in

TABLE II  
CHIEF CAUSES OF DEATH DURING INFANCY  
ONTARIO, 1942

Rank	CAUSE OF DEATH	Deaths in Age Group	Per Cent of Deaths in Age Groups due to a Specific Cause	Specific Death Rate per 100,000	
				1942	1941
1	Prematurity . . . . .	819	26.1	1,047	1,190
2	Congenital malformations . . . . .	583	18.6	746	711
3	Pneumonia and bronchitis . . . . .	407	13.0	521	506
4	Injury at birth . . . . .	319	10.2	408	515
5	Diarrhoea, enteritis and dysentery . . . . .	239	7.6	306	430
6	Other diseases peculiar to infancy* . . . . .	230	7.3	294	298
7	Accidental causes . . . . .	78	2.5	100	123
8	Influenza . . . . .	67	2.1	86	145
	Other causes . . . . .	397	12.6	508	638
	TOTAL . . . . .	3,139	100.0	4,016	4,558

\*During the first year of life.

1942, from the figures of 1941; the number of deaths due to each tends to be up slightly, due to the increased population (estimated increase 37,079) but the percentage of all deaths due to each cause remains closely the same.

Figure I shows diagrammatically the percentage of total deaths due to each of the 20 specific causes and all other causes.

Table II shows the eight chief causes of death during infancy (during the first year) for 1942; the number of deaths is shown first and then the percentage of all deaths due to a given cause; finally the specific rate per 100,000 infants is shown for 1942 and for 1941. In 1942, still, as in 1941, prematurity and congenital malformations are the two leading causes of death; congenital malformations was, however, responsible for 18.6 per cent of all deaths in this group in contrast to 15.6 per cent in 1941. Pneumonia and bronchitis, having been responsible for 13.0 per cent of the deaths, stands third in 1942 instead of fourth in 1941 when it was the occasion of 11.1 per cent of the deaths; injury at birth shows an opposite movement. Diarrhoea, enteritis and dysentery still stands fifth in 1942, but occasioned only 7.6 per cent of the deaths instead of 11.1 per cent in 1941. Influenza is down for 1942 to 2.1 per cent from 3.2 per cent in 1941.

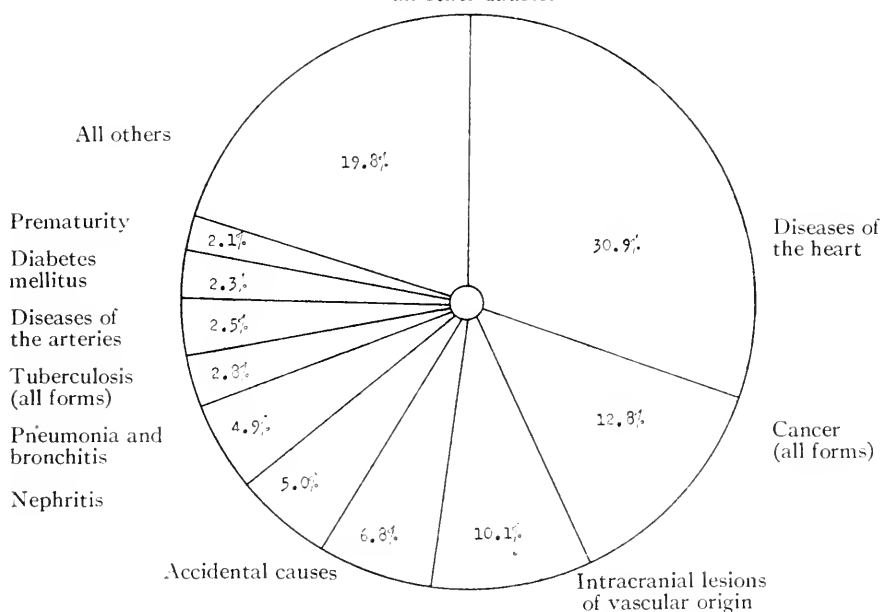
In Table II the specific death rate per 100,000 infants is shown to illustrate why there has occurred in 1942 a reduction of the total rate to 40.1 per thousand

live births from 45.6 per thousand in 1941. It will be seen that there were 107 (per 100,000) fewer deaths from injury at birth in 1942, 124 fewer from diarrhoea, etc., 59 fewer from influenza, and 130 fewer from other causes.

Table III shows the eight chief causes of death after infancy for 1942; the number of deaths is shown and then the percentage of all deaths in the group due to a given cause.

*Pre-school, 1-4 years* shows accidental causes together with pneumonia and bronchitis leading and accounting for a very considerable part, 46.4 per cent, of all deaths in the age group; for these two causes the percentage is appreciably higher than in 1941. Congenital malformations rises to fourth from third place with, however, about the same incidence as in 1941. Diarrhoea, etc., drops to fourth place with a percentage of 6.1 instead of 6.9 in 1941; a similar increase

FIGURE I  
The Percentage of Total Deaths due to each of 20 Specific Causes and all other causes.



occurred for infants. In 1942 influenza retained fourth place but the percentage dropped to 3.9 from 4.5. A drop also occurred for whooping cough. Cancer (all forms) stands at 2.3 per cent in 1942 with 13 deaths. Cancer does not appear as one of the leading eight causes of death for the preceding group of infants or the succeeding group of school children.

*School age, 5-14 years*, shows accidental causes leading markedly and accounting for 35.6 per cent of all deaths in the age group. The percentage for accidents is, however, down a little from the figure, 36.4 per cent of 1941, and this decrease stands in sharp contrast to the corresponding increase for little children. Tuberculosis has lost a rank in 1942 and its percentage is down to 7.9 from 8.6 in 1941. Pneumonia and congenital malformations have risen in 1942 while appendicitis is down to sixth from third place with a percentage of 3.1 from 5.8 in 1941.

*Ages 15-19* show accidental causes and tuberculosis (all forms) as leading causes of death and these together accounted for 49.0 per cent of all deaths in the group. The most noticeable changes in 1942 from 1941 are the drop of appendicitis to 3.2 per cent from 4.0 and cancer to 2.8 per cent from 4.2 per cent.

*Ages 20-49 years* show diseases of the heart and cancer (all forms) beginning to displace accidental causes, pneumonia, etc., and tuberculosis which are the leading causes of death in the younger groups, although accidental causes remain important (15.6 per cent of all deaths) in the present group. Diseases of the heart was up slightly to 18.3 per cent against 17.7 per cent in 1941, while accidental causes was down to 15.6 from 17.5 in 1941. There were 119 fewer accidental deaths in 1942.

*Ages 50-59 years and 60-69 years* show the complete emergence of diseases of the heart, cancer (all forms) and intracranial lesions of vascular origin as the three commonest causes of death. These causes accounted for 60.9 per cent of the deaths in the former group and 67.3 per cent of the deaths in the latter. The pattern of causes in these groups is practically the same in 1942 as in 1941, except that accidental causes was down to 4.8 per cent from 6.3 for the former group and to 3.6 per cent from 4.6 for the latter group. For the ages 50-59 years, nephritis was up to 5.5 per cent from 4.5 per cent in 1941.

TABLE III  
CHIEF CAUSES OF DEATH AFTER INFANCY  
ONTARIO, 1942

Rank	CAUSE OF DEATH	Deaths in Age Groups	Per Cent of Deaths in Age Groups due to a Specific Cause
<i>Ages—1-4 Years:</i>			
1	Accidental causes . . . . .	156	27.2
2	Pneumonia and bronchitis . . . . .	110	19.2
3	Congenital malformations . . . . .	38	6.7
4	Diarrhoea, enteritis and dysentery . . . . .	35	6.1
5	Tuberculosis (all forms) . . . . .	26	4.6
6	Influenza . . . . .	22	3.9
7	Cancer (all forms) . . . . .	13	2.3
8	Whooping cough . . . . .	10	1.8
	Other causes . . . . .	161	28.2
	TOTAL . . . . .	571	100.0
<i>Ages—5-14 Years:</i>			
1	Accidental causes . . . . .	162	31.1
2	Pneumonia and bronchitis . . . . .	42	8.1
3	Tuberculosis (all forms) . . . . .	41	7.9
4	Acute rheumatic fever . . . . .	31	6.0
5	Congenital malformations . . . . .	19	3.7
6	Appendicitis . . . . .	16	3.1
7	Diseases of the heart . . . . .	16	3.1
8	Leukaemia and aleukaemia . . . . .	3	0.6
	Other causes . . . . .	190	36.4
	TOTAL . . . . .	520	100.0
<i>Ages—15-19 Years:</i>			
1	Accidental causes . . . . .	175	35.6
2	Tuberculosis (all forms) . . . . .	66	13.4
3	Diseases of the heart . . . . .	30	6.1
4	Pneumonia and bronchitis . . . . .	19	3.9
5	Appendicitis . . . . .	16	3.2
6	Cancer (all forms) . . . . .	14	2.8
7	Nephritis . . . . .	14	2.8
8	Puerperal state . . . . .	13	2.6
	Other causes . . . . .	146	29.6
	TOTAL . . . . .	493	100.0



TABLE III (Continued)  
CHIEF CAUSES OF DEATH AFTER INFANCY  
ONTARIO, 1942

Rank	CAUSE OF DEATH	Deaths in Age Groups	Per Cent of Deaths in Age Groups due to a Specific Cause
Ages—20-49 Years:			
1	Diseases of the heart.....	931	18.3
2	Accidental causes.....	799	15.6
3	Cancer (all forms).....	664	13.1
4	Tuberculosis (all forms).....	567	11.2
5	Nephritis.....	227	4.5
6	Intracranial lesions of vascular origin.....	203	4.0
7	Puerperal state.....	193	3.8
8	Suicide.....	166	3.3
	Other causes.....	1,332	26.2
	TOTAL.....	5,082	100.0
Ages—50-59 Years:			
1	Diseases of the heart.....	1,581	32.4
2	Cancer (all forms).....	973	19.8
3	Intracranial lesions of vascular origin.....	427	8.7
4	Nephritis.....	269	5.5
5	Accidental causes.....	235	4.8
6	Tuberculosis (all forms).....	167	3.4
7	Pneumonia and bronchitis.....	154	3.1
8	Diabetes mellitus.....	148	3.0
	Other causes.....	948	19.3
	TOTAL.....	4,902	100.0
Ages—60-69 Years:			
1	Diseases of the heart.....	2,788	37.3
2	Cancer (all forms).....	1,405	18.8
3	Intracranial lesions of vascular origin.....	834	11.2
4	Nephritis.....	394	5.3
5	Diabetes mellitus.....	297	4.0
6	Accidental causes.....	269	3.6
7	Pneumonia and bronchitis.....	244	3.3
8	Diseases of the arteries.....	79	1.1
	Other causes.....	1,145	15.4
	TOTAL.....	7,455	100.0
Ages—70 Years and over:			
1	Diseases of the heart.....	6,721	39.5
2	Intracranial lesions of vascular origin.....	2,462	14.4
3	Cancer (all forms).....	1,917	11.5
4	Nephritis.....	1,025	6.0
5	Diseases of the arteries.....	844	5.0
6	Accidental causes.....	789	4.7
7	Pneumonia and bronchitis.....	783	4.6
8	Senility.....	351	2.1
	Other causes.....	2,065	12.2
	TOTAL.....	16,957	100.0

*Ages 70 or more years show the characteristic diseases of old age with percentages very close to those for 1941.*

Table IV shows for each of the 20 principal causes of death (as in Table I) what portion occurred by a given age—for instance, considering cause No. 5 or nephritis, it will be seen that 0.2 per cent of the deaths due to the condition were of children less than one year old, 0.7 per cent were of children less than five years old, 1.4 per cent were of people less than 15 years old, etc.

TABLE IV  
PROPORTION OF DEATHS OCCURRING BY A GIVEN AGE  
ONTARIO, 1942  
(Percentages)

Rank	CAUSE OF DEATH	PROPORTION OF DEATHS IN LESS YEARS THAN							
		1	5	15	20	50	60	70	—
1	Diseases of the heart.....	0.0	0.0	0.1	0.3	8.0	21.1	44.2	100.0
2	Cancer (all forms).....	0.1	0.4	0.7	1.0	14.3	33.7	61.8	100.0
3	Intracranial lesions of vascular origin.....	0.3	0.4	0.5	0.6	5.7	16.5	37.6	100.0
4	Accidental causes.....	2.9	8.8	14.9	21.6	50.8	60.6	70.8	100.0
5	Nephritis.....	0.2	0.7	1.4	2.1	13.7	27.4	47.5	100.0
6	Pneumonia and bronchitis.....	21.4	26.3	28.4	29.3	38.0	46.1	59.0	100.0
7	Tuberculosis (all forms)....	0.8	3.2	7.0	13.0	64.9	80.2	91.5	100.0
8	Diseases of the arteries.....	0.0	0.0	0.2	0.2	1.7	6.2	14.2	100.0
9	Diabetes mellitus.....	0.0	0.0	0.5	1.6	8.9	25.1	57.7	100.0
10	Prematurity.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11	Congenital malformations.....	86.4	92.0	94.8	95.7	98.8	99.7	100.0	100.0
12	Diarrhoea, enteritis and dysentery.....	63.4	75.3	77.7	78.5	84.1	88.9	92.3	100.0
13	Senility.....	0.0	0.0	0.0	0.0	0.0	0.0	1.4	100.0
14	Suicide.....	0.0	0.0	1.7	49.3	71.4	89.7	100.0	100.0
15	Ulcer of stomach and duodenum.....	0.0	0.0	0.3	0.6	23.1	45.9	70.5	100.0
16	Diseases of the prostate....	0.0	0.0	0.0	0.0	0.6	6.5	28.0	100.0
17	Injury at birth.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18	Hernia and intestinal obstruction.....	0.0	3.2	5.5	7.1	20.1	33.7	61.3	100.0
19	Syphilis.....	7.2	7.6	8.7	9.1	32.6	62.2	86.7	100.0
20	Influenza.....	24.5	32.6	36.3	37.8	48.5	57.7	65.9	100.0
	TOTAL.....	7.3	8.5	9.5	10.5	22.1	34.5	54.2	100.0
	ALL OTHER CAUSES..	13.9	17.5	21.6	24.9	49.5	63.0	77.7	100.0
	GRAND TOTAL.....	8.0	9.5	10.8	12.1	25.1	37.6	56.8	100.0

*Diseases of the heart* caused 21.1 per cent of its deaths below the age of 60 years.

*Cancer (all forms)* caused 33.7 per cent of its deaths below the age of 60 years.

*Intracranial lesions of vascular origin* caused only 16.5 per cent of its deaths before the age of 60.

*Accidental causes* caused 21.6 per cent of its deaths before the age of 20.

*Nephritis* caused only 47.5 per cent of its deaths before the age of 70.

*Pneumonia and bronchitis* caused 21.4 per cent of its deaths before the age of one year but only 59.0 before the age of 70.

*Tuberculosis (all forms)* caused 13.0 per cent of its deaths before the age of 20.

*Diseases of the arteries* caused only 14.2 per cent of its deaths before the age of 70.

*Diabetes mellitus* caused only 25.1 per cent of its deaths before the age of 60.

*Diarrhoea, enteritis and dysentery* caused 63.4 per cent of its deaths before the age of one year.

*Suicide* caused 49.3 per cent of its deaths before the age of 20 years.

*Hernia and intestinal obstruction* caused only 33.7 per cent of its deaths before the age of 60 but 61.3 per cent before the age of 70 years.

*Influenza* caused 24.5 per cent of its deaths before the age of one year.

## ANNUAL REPORT OF THE LIBRARY, 1943

FREDRITA HENLEY WRIGHT, *Librarian*

The year 1943 has continued to be a very busy one. Requests for literature on health in the war industries, maintenance of the health of the civilian population during war, together with literature along special lines of medical research have been foremost among the requests received. The Library has endeavoured to meet these requests in securing new reports and literature on publication.

### ACCESSIONS

During 1943 the following accessions were made:

#### CENTRAL LIBRARY

Books purchased.....	84
Journals (vols.).....	150
Reports.....	70
Pamphlets.....	1,126
	1,430

Subscriptions to journals for the year numbered 102; while the Library received 21 complimentary subscriptions; a total of 123.

#### ONTARIO HOSPITALS

Books purchased—	
Medical.....	95
Fiction:	
New.....	.....
Library discards.....	380
Journal subscriptions (med. and tech.).....	100
Year Books.....	9
Periodicals—	
New (subscriptions).....	116
Unsold copies.....	3,000 approx.
Newspapers (subscriptions).....	86
	3,786

### LOAN SERVICE

There were 4,784 loans made by the Central Library during 1943. Within the immediate Department requests for literature reached the total of 3,820, while to the outside service the Central Library forwarded 964 references. The loan service from the Central Library is extended to:—Physicians, Nurses, Occupational Therapists and Dietitians connected with the administration of the 14 Ontario Mental Hospitals; the Directors and staffs of Mental Hygiene Clinics; and the Directors and staffs of the Branch Laboratories.

### CIRCULATION OF JOURNALS

The regular circulation of journals was maintained during the year. Journals were circulated to the Clinicians in charge of the Provincial Travelling Chest Clinics at Belleville, Ottawa, Fort William and Timmins; and to the Tuberculosis Unit at the Ontario Hospital, Woodstock.

Journals containing articles dealing with "shock therapy" in the treatment of schizophrenia were circulated, immediately upon receipt, to those Ontario Hospitals doing special work on this disease.

The Branch Laboratories at North Bay, Ottawa, Kingston, Belleville and Mimico also continued to receive a regular circulation service of technical journals.

#### PATIENTS' LIBRARIES

Through the services of the Central Library the following reading material was procured for the Patients' Libraries of the Ontario Hospitals:

*Books*—The central Library purchased 380 library discards which were shipped to the Ontario Hospitals.

*Periodicals*—The Central Library placed 116 annual subscriptions to periodicals for the exclusive use of the patients. Arrangements were also made with a Toronto news agency for the purchase, upon special terms, of unsold periodicals. Under this plan approximately 3,000 copies were delivered to the patients' libraries.

*Newspapers*—The Central Library placed 86 subscriptions to various Provincial newspapers for the sole use of the patients. In addition 1,670 unsold copies of papers were donated to the patients through the kindness of a Toronto publisher who delivered them to the Central Library, where they were appor-tioned and reshipped to the hospitals.

#### SPECIAL SERVICES

The special services requested of the Library during the past year include A.R.P., Nutrition, Epidemiology, Health Insurance, Public Health Administration, Rehabilitation and Post-War Medical Planning, Venereal Disease Control and School Health Services.

*A.R.P.*—New handbooks on A.R.P. published during the year by the British Government and the United States Office of Civilian Defense were procured and added to the Library, together with literature published in the Dominion.

*Nutrition*—The Library has endeavoured to obtain the new reports and new programs from the leading nutrition authorities in various countries.

*Epidemiology*—Attention has also been given to literature on research and new therapeutic measures in disease prevention.

*Health Insurance*—The subject of Health Insurance has continued to hold a prominent place in the requests for literature. The Library has been particularly active in obtaining literature on various new programs and on the results in the administration of existing programs.

*Public Health Administration*—In the advancement of public health administration, the establishing and maintenance of public health centres has received much consideration. The Library has endeavoured to keep abreast of the developments along this line.

*Rehabilitation and Post-War Medical Planning*—Programs for the rehabilitation of military personnel and planning for post-war medical services have also been the subjects for many requests.

*Venereal Disease Control*—The extension of the Venereal Disease program for Ontario has necessitated much additional work. The Library has procured extensive literature for educational purposes and has been particularly active in

supplying information on venereal disease control programs now being administered in other countries.

*School Health Services*—Owing to new trends in the program for school health services, the Library has been required to give particular attention to the procuring of literature for the preparation of programs for health services and instruction in elementary and high schools.

The daily demands for reference work, together with the cataloguing and other routine library procedures have all had their part in making a very busy year. The Library has had pleasure in making the above contribution to the work of the Department.

## DIVISION OF EPIDEMIOLOGY

R. P. HARDMAN, M.D., D.P.H., *Epidemiologist*

The incidence of the major communicable diseases reported in the Province of Ontario during 1943 continued low. The morbidity rates for Diphtheria, Poliomyelitis and Typhoid Fever were lower in 1943 than for any one year during the past ten-year period. The Province has again remained free of Smallpox, and there has been an appreciable reduction shown in the morbidity rates of Cerebro-Spinal Meningitis, Scarlet Fever, Paratyphoid and Undulant Fevers.

During the past four years of war, the general trend in communicable disease rates has been exceptionally low, regardless of certain environmental changes of living. The over-crowding in many industrial centres, shifting of persons from rural to urban municipalities, massing of armed forces—all these conditions have not increased the incidence of diseases to any appreciable extent. Cerebro-Spinal Meningitis has been the only disease where an increase over pre-war levels has been shown. Outbreaks of Diphtheria, Scarlet Fever, Measles and Mumps have occurred in certain establishments of the Armed Forces in this four-year period. These local outbreaks, however, did not increase the provincial morbidity rates to higher than pre-war levels.

Measles, Mumps and Whooping Cough have shown an increased incidence in 1943, as compared with the previous year. The increased trend in these diseases, however, was expected in 1943 as a natural occurrence. The morbidity rates, however, did not exceed epidemic rates experienced in pre-war periods. Tuberculosis and the social diseases have shown an increase in the number of reported cases during the year.

Numerous requests for assistance in the diagnosis and control of communicable diseases, food poisoning outbreaks, etc., were received from the local medical officers of health, the Armed Forces and industrial plants. Over fifty investigations were carried out by this Division, in various parts of the Province, during the past year, in connection with these requests.

Early in January of 1943, an outbreak of Trichinosis occurred in the Province. Fifteen cases and one death occurred. The cases were all relatives. They had partaken of raw sausage meat prepared at the farm of one of the relatives. The outbreak remained local in extent, and the distribution of the remaining animals for food was restricted.

There was a definite increase in the number of food poisoning outbreaks reported during the year, as compared with 1942. Outbreaks occurred in industrial cafeterias, Armed Forces, various camps, etc. The causative factor in a number of instances was found to be staphylococcus toxin. The toxin was found in various articles of food, for example—salads, sandwiches, puddings, custard pie fillings and prepared cooked meat mixtures. Staphylococcus organisms were found in swabs taken from the persons working in the kitchens where the outbreaks occurred. The cause of some of the outbreaks could not be determined, owing to the fact that it was not always possible to obtain samples of the food partaken, owing to the lapse of time between the suspected meal and the request for assistance.

TABLE 1  
CEREBRO-SPINAL MENINGITIS

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1939	64	18	1.6	.2	17.0
1940	145	29	3.0	.7	18.6
1941	501	29	13.2	1.9	14.0
1942	276	71	7.2	.8	10.9
1943	185	32	4.8	.8	17.2

There was a reduction of over twenty-two per cent in the number of cases of Cerebro-Spinal Meningitis reported during the year, as compared with the previous year. The geographical distribution of cases was general over the Province, with a concentration of treated cases in larger municipalities, where isolation hospital facilities were available. Over 96 per cent of the cases were hospitalized. The case fatality rate was 17.2 per cent. Thirty-eight per cent of the cases were in the 0-9 age group, and 19.7 per cent in the 10-19 age group. The 0-19 age group constituted 57 per cent of all the cases. Meningococcus was the incriminating organism found in over 80 per cent of the cerebro-spinal fluids examined. Chemo-therapy was the treatment of choice. Of the total number of cases treated, less than 1 per cent used only meningococcus serum, and in 5 per cent it was combined with the sulphonamides.

TABLE 2  
DIPHTHERIA

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1939	131	10	3.5	.2	7.6
1940	78	12	2.0	.3	13.3
1941	200	13	5.3	.3	6.3
1942	143	15	4.0	.4	10.5
1943	75	6	1.0	.1	8.0

The morbidity rate for Diphtheria, during 1943, has never been lower. This does not mean that the disease has been entirely eliminated, in the Province of Ontario, for Diphtheria does occur amongst those who have not received Toxoid. Small outbreaks also develop where the percentage of immunizations has been allowed to fall below the sustaining preventative level. While there is certain to be a reduction in the number immunized during war years, on account of the rapid changing of local medical officers of health, and the pressure of other work on the remainder, immunization against Diphtheria should not be allowed to lag behind, at any cost, because of the possibility of the introduction of certain gravis strains from the war areas. Consequently, we should have at least 80 per cent of all children in the 0-9 age group protected, as a very minimum; and of this number, 50 per cent in the pre-school age group. In the Province of Ontario, in recent years, it has been frequently demonstrated that Diphtheria has made little progress in municipalities where adequate immunization in the 0-14 age groups has been maintained, especially in some municipalities where an outbreak appeared imminent.



TABLE 3  
POLIOMYELITIS

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1939	216	17	5.7	.4	7.0
1940	87	10	2.3	.2	11.4
1941	141	11	3.6	.2	7.1
1942	89	9	2.3	.2	10.1
1943	81	8	2.1	.21	9.8

The incidence of Poliomyelitis continued low during 1943, the number of cases reported during the year being the lowest in the past ten years. During the early part of September, an outbreak of Poliomyelitis occurred in the Trenton, Belleville and Prince Edward County area. An epidemiologist and five public health nurses were sent to investigate the outbreak. A survey was made, and a total of thirty cases were investigated. Six of the cases and three deaths occurred amongst the members of the R.C.A.F. at Trenton. The remaining twenty-four cases were children. Of this number, fourteen were hospitalized for treatment in Toronto, because of some degree of weakness or paralysis. In a follow-up of the treated cases just completed recently, six of the fourteen had some form of paralysis present. Of all the communicable diseases, Poliomyelitis is the least predictable. However, outbreaks of Poliomyelitis in the Province of Ontario have had a tendency to occur in seven-year cycles. It will be seven years since a large outbreak of this disease has occurred. During the past two years, the incidence of the disease has been remarkably low in Ontario. Consequently, an upward trend may be expected at any time.

TABLE 4  
TYPHOID FEVER

Year	Cases	Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
1939	119	17	4.0	.4	14.3
1940	159	26	3.5	.6	16.2
1941	133	15	2.8	.4	11.0
1942	109	8	1.5	.2	7.3
1943	60	9	1.0	.2	15.0

In 1943, the morbidity rate for Typhoid Fever was the lowest rate ever computed for this disease in the Province of Ontario (1 per 100,000) of the population. During the year, three small outbreaks of two or three cases were investigated. In one of the three outbreaks, the head of the family was found to be the carrier. Five Typhoid carriers were discovered during the year, as a result of the investigation following the cases. During the late summer, several cases of the disease were contracted, due to travel outside the Province.

Sixty-five cases of Undulant Fever were reported in 1943, with a morbidity rate of 1 per 100,000. The cases were distributed from Essex County to the Quebec border. The median range for the past five years has been 66. As a result of follow-up questionnaires sent out on all positive laboratory reports, 80 per cent of the cases followed the partaking of raw milk, and 60 per cent of these cases obtained their milk and cream from their own herd. Seventeen

per cent of the patients contracted the disease from handling cattle. Of the 65 cases, well over 78 per cent occurred amongst residents in rural areas.

Late in 1943, we commenced distribution of a new combined product, Diphtheria Toxoid and Pertussis Vaccine. This product is primarily designed only for use in infants and pre-school children. It is administered in two doses, with an interval of one month between the doses. The combination of Diphtheria Toxoid and Pertussis Vaccine makes a very welcome addition to the list of biological products, as it eliminates the need of the extra injections, where both products are to be given.

TABLE 5  
FIVE-YEAR INCIDENCE—REPORTED CASES AND DEATHS, ONTARIO  
1939-1943

DISEASE	1939		1940		1941		1942		1943	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Actinomycosis.....	2		6	1	2		1	4	2	1
Anthrax.....							1			
Meningitis (Meningococcus).....	64	18	145	29	501	71	276	30	185	32
Chickenpox.....	11,133	2	15,993	2	12,237		12,928		13,026	
Conjunctivitis.....	2		6		5		1		13	
Diphtheria.....	131	7	78	12	200	13	143	15	75	6
Dysentery (Bacillary).....	53	4	104	2	49	3	13		9	1
Encephalitis (Lethargica).....	9	10	8	2	9	6	1	1	5	6
Erysipelas.....	187	5	124	7	87	4	80	2	64	2
Gonorrhoea.....	4,125		4,566		5,539		6,220		6,543	1
Influenza.....	8,284	137	3,327	17	3,722	55	1,298	19	7,312	83
Infectious Jaundice.....	502	3	110	1	54		54		83	5
German Measles.....	1,160		2,073		30,249		1,591		2,178	
Malaria.....	2		1				1		1	
Measles.....	27,827	17	16,200	7	30,014	6	6,790	2	28,403	5
Mumps.....	3,296		9,872	1	7,634		16,806		27,250	
Paratyphoid Fever.....	58	1	51	1	44		46	2	36	2
Pneumonia (all types).....	1,207	2,076	1,036	1,685	704	1,494	752	1,476	1,214	1,709
Poliomyelitis.....	216	13	87	9	140	10	89	1	81	8
Psittacosis.....			1	1	21	2	1			
Puerperal Sepsis.....	9	13	8	7	2	3	1	2	4	5
Scarlet Fever.....	6,767	41	5,696	21	8,155	20	8,354	24	6,857	14
Septic Sore Throat (Epidemic Type).....	209	5	294	6	358	3	280	7	170	5
Smallpox.....	1									
Syphilis.....	3,285	38	5,222	48	6,770	67	5,952	57	6,975	50
Tetanus.....	15	8	13	7	3	6	9	8	10	6
Trachoma.....	5		2				1			
Trichinosis.....			17						15	1
Tuberculosis.....	2,570	419	2,580	389	2,348	337	2,560	356	2,789	376
Tularemia.....	1		3		4				3	1
Typhoid Fever.....	119	9	159	24	133	8	109	8	60	9
Undulant Fever.....	66		64	2	68		69	3	65	
Whooping Cough.....	7,023	18	5,517	29	7,229	25	4,313	7	6,970	24



TABLE 6 - Continued  
 GEOGRAPHIC DISTRIBUTION OF CASES AND DEATHS - ONTARIO, 1943

COUNTY OR DISTRICT	Meningitis (Meningococcus)		Diphtheria		Encephalitis (Lethargica)		Paratyphoid		Polioomyelitis		Tularemia		Typhoid		Undulant Fever	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Northumberland and Durham	2	1							1						2	
Ontario	3	1	3	1			3		4				3			
Oxford	5								1	1						
Parry Sound	1						1									
Peel	2		1				1		1				1			
Perth	2						1								2	
Peterborough	5		1						1						2	
Prescott and Russell	1		1				1									
Prince Edward																
Rainy River															3	
Renfrew									2				1		5	
Simcoe	4		4				2		1				2		2	
Stormont, Dundas and Glengarry									1						2	
Sudbury	3	1	7	2					1				3	1		
Temiskaming	1	1	1										3			
Thunder Bay	1		1										1			
Victoria													1		1	
Waterloo	4		1				4						3		5	
Welland	5	1			1	1	1		5	1			6			
Wellington	17	3	1				1						1		1	
Wentworth	72	15	31		1	2	7		18	1			10	1	3	
TOTALS	185	32	75	6	5	6	36	2	81	8	3	1	60	9	65	



TABLE 7—Continued  
MONTHLY INCIDENCE OF COMMUNICABLE DISEASES—CASES AND DEATHS—1943

DISEASES	September		October		November		December		TOTALS					
									1943		1942		1941	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Smallpox.....	156		382	1	456		548	2	6,857	14	8,354	24	8,155	20
Scarlet Fever.....	2		6		8	2	8	1	75	6	143	15	200	13
Diphtheria.....	196		382	1	1,032		919		28,403	5	6,790	2	30,014	6
Measles.....	578	3	637	3	566	1	449	2	6,970	24	4,004	7	7,229	23
Whooping Cough.....	11	2	7		5		1	1	60	9	109	8	133	8
Typhoid Fever.....	212	35	248	24	229	34	188	25	2,789	376	2,560	356	2,348	357
Tuberculosis.....	36	5	24	1	5		2		81	8	89	1	140	10
Poliomyelitis.....														
Cerebrospinal Meningitis (Meningococcus).....	16	2	20	4	8	3	13	1	185	32	276	30	501	71
Influenza.....	139		136	1	245	1	4,466	53	7,312	83	1,298	19	3,722	55
Pneumonia.....	59	70	105	126	60	117	158	226	1,214	1,709	752	1,476	704	1,494
Syphilis.....	540	5	745	7	587	2	492	3	6,975	50	5,952	57	4,770	67
Gonorrhoea.....	718		717	1	712	1	469		6,543	1	6,220		5,539	
Chickenpox.....	104		726		1,682		1,921		13,026		12,928		12,257	
Encephalitis.....				1			1	1	5	6		1	9	6
German Measles.....	20		39		49		46		2,178		1,591		30,249	
Mumps.....	209		414		534		428		27,250		16,806		7,634	
Septic Sore Throat.....	16		8		33	1	5	1	170	5	280	7	358	3
Undulant Fever.....	2		10		13		4		65		69	3	66	
Dysentery.....					2				9	1	13	49	3	
Erysipelas.....	4		7		5		8		64	2	80	2	87	4
Paratyphoid Fever.....	4		5						36	2	46	2	44	
Infectious Jaundice.....	2		15	2	15		6		83	5	54		54	
Tetanus.....	2	1	1		1				10	6	9	8	3	6
Tularaemia.....			1	1	1				3	1			4	
Conjunctivitis.....			2				2		13		1		5	
Malaria.....									1	1	1		1	
Actinomycosis.....						1	1		2	1	1	4	2	

## DISTRIBUTION OF LITERATURE

The following table shows the distribution of literature by this Division during the past year.

TABLE 8

Infectious Disease Literature	No. of Forms Distributed	Recording Forms	No. of Forms Distributed
Regulations and Amendments.	1,500	Diphtheria—	
Diphtheria . . . . .	1,963	Recording Forms . . . . .	398
Scarlet Fever . . . . .	549	Consent Cards . . . . .	24,375
		Certificates . . . . .	21,495
		Consent—Recall Dose . . . . .	1,700
		Scarlet Fever—	
		Recording Forms . . . . .	200
		Consent Cards . . . . .	3,500
		Certificates . . . . .	5,905
		Immunization Cards (combined form) . . . . .	3,325
		Smallpox—	
		Consent Forms . . . . .	14,055
		Certificates . . . . .	16,695
Total . . . . .	4,012	Total . . . . .	91,648
	Total . . . . .	95,660	

TABLE 9

## ANNUAL DISTRIBUTION OF INSULIN FOR SHOCK THERAPY

Fiscal Year 1942-43

MONTHS	No. of Vials 1000 Units	Cost
1942		
April . . . . .	96	\$134.40
May . . . . .	120	168.00
June . . . . .	72	100.80
July . . . . .	96	134.40
August . . . . .	24	33.60
September . . . . .	24	33.60
October . . . . .	96	134.40
November . . . . .		
December . . . . .		
1943		
January . . . . .	24	33.60
February . . . . .		
March . . . . .	96	134.40
Total . . . . .	648	907.20

TABLE 10  
ANNUAL DISTRIBUTION OF INSULIN BY AREA (Toronto and Province)  
Fiscal Year 1942-43

RESIDENCE OF PATIENTS REQUIRING INSULIN	Male	Female	Total
City of Toronto.....	259	622	881
Province of Ontario, exclusive of Toronto.....	958	1,557	2,515
Total.....	1,217	2,179	3,396

TABLE 11  
ANNUAL DISTRIBUTION OF INSULIN  
Fiscal Year 1942-43

TYPE OF INSULIN	Units per Vial	No. of Vials	Cost per Vial	Total Cost
Insulin-Toronto.....	200	5,323	\$ .33	\$ 1,756.59
" ".....	400	27,378	.58	15,879.24
" ".....	800	2,762	1.12	3,093.44
" ".....	1,000	636	1.40	890.40
Protamine Zinc.....	400	36,504	.65	23,727.60
" ".....	800	3,563	1.25	4,453.75
Total.....				\$49,801.02

TABLE 12  
MONTHLY DISTRIBUTION OF INSULIN  
Fiscal Year 1942-43

MONTHS	TYPES OF INSULIN						Cost— All Types
	INSULIN-TORONTO No. of Vials Distributed				PROTAMINE ZINC INSULIN No. of Vials Distributed		
	200 Unit	400 Unit	800 Unit	1000 Unit	400 Unit	800 Unit	
1942							
April.....	600	2,742	364	100	3,318	364	\$ 4,947.74
May.....	698	2,550	199	200	3,073	205	4,465.92
June.....	398	2,385	239	..	2,786	326	4,000.72
July.....	487	2,375	200	..	3,441	317	4,395.11
August.....	375	1,847	196	72	2,686	328	3,671.23
September.....	384	2,212	239	72	3,206	282	4,214.56
October.....	366	2,085	234	..	3,085	264	3,927.41
November.....	536	2,137	209	..	2,783	356	3,904.37
December.....	375	2,058	170	72	3,022	208	3,832.89
1943							
January.....	281	2,306	236	100	3,068	343	4,257.48
February.....	635	2,340	272	..	3,146	342	4,343.79
March.....	188	2,341	204	20	2,890	228	3,839.80
Total.....	5,323	27,378	2,762	636	36,504	3,563	\$49,801.02



TABLE 13  
 BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION  
 Fiscal Year 1942-43

MONTH	DIPHTHERIA ANTITOXIN						ANTI-MENINGOCOCCUS SERUM							
	1M Units Vials	Cost	10M Units Vials	Cost	20M Units Vials	Cost	40M Units Vials	Cost	Syrin- ges	Cost	20cc Vials	Cost	Out- fits	Cost
1942														
April.....	303	\$ 42.42	118	\$ 141.60	101	\$ 242.40	52	\$ 249.60	50	\$ 10.00	105	\$ 131.25	24	\$ 40.80
May.....	319	44.66	87	104.40	52	124.80	22	105.60	25	5.00	110	137.50	30	51.00
June.....	129	18.06	52	62.40	35	84.00	24	115.20	..	..	82	102.50	9	15.30
July.....	254	35.56	82	98.40	71	170.40	63	302.40	75	15.00	102	127.50	24	40.80
August.....	198	27.72	135	162.00	45	108.00	..	..	..	..	49	61.25	19	32.30
September.....	183	25.62	55	66.00	77	184.80	4	19.20	50	10.00	49	61.25	21	35.70
October.....	173	24.22	43	51.60	45	108.00	2	9.60	25	5.00	29	36.25	1	1.70
November.....	130	18.20	118	141.60	104	249.60	21	100.80	..	..	78	97.50	29	49.30
December.....	278	38.92	103	123.60	101	242.40	15	72.00	25	5.00	87	108.75	34	57.80
1943														
January.....	201	28.14	83	99.60	81	194.40	13	62.40	..	..	78	97.50	7	11.90
February.....	229	32.06	39	46.80	15	36.00	19	91.20	50	10.00	53	66.25	10	17.00
March.....	150	21.00	55	66.00	38	91.20	11	52.80	..	..	57	71.25	15	25.50
TOTALS.....	2,547	\$ 356.58	970	\$ 1,164.00	765	\$ 1,836.00	246	\$ 1,180.80	300	\$ 60.00	879	\$ 1,098.75	223	\$ 379.10

TABLE 13—Continued  
 BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION—Continued

MONTH	DIPHTHERIA TOXOID													
	Schick Test		For One Person		One (3cc) Ampoules		Six (3cc) Ampoules		Six (6cc) Ampoules		Diluted		Reaction	
	Pkgs.	Cost	Pkgs.	Cost	Pkgs.	Cost	Pkgs.	Cost	Pkgs.	Cost	Ampls.	Cost	Test	Cost
1942														
April	632	\$ 158.00	2,874	\$ 790.35	359	\$ 75.39	231	\$ 258.72	1,025	\$ 1,793.75	79	\$ 19.75	126	\$12.60
May	352	88.00	2,802	770.55	271	56.91	246	275.52	969	1,695.75	28	7.00	95	9.50
June	541	135.25	2,432	668.80	149	31.29	226	253.12	476	833.00	23	5.75	67	6.70
July	347	86.75	1,275	350.62	177	37.17	129	144.48	85	148.75	21	5.25	93	9.30
August	374	93.50	1,487	408.92	167	35.07	121	135.52	623	1,090.25	49	12.25	39	3.90
September	403	100.75	2,477	681.17	173	36.33	173	193.76	814	1,424.50	34	10.75	44	4.40
October	365	91.25	2,509	689.98	114	23.91	218	244.16	740	1,295.50	49	12.25	34	3.40
November	371	92.75	2,214	608.85	144	30.24	234	262.08	587	1,027.25	55	13.75	69	6.90
December	339	84.75	1,679	461.72	44	9.24	68	76.16	133	232.75	42	10.50	62	6.20
1943														
January	241	60.25	1,581	434.77	100	21.00	53	59.36	252	441.00	49	12.25	117	11.70
February	380	87.50	1,616	444.40	51	10.71	32	35.84	221	386.75	23	5.75	105	10.50
March	289	72.25	2,026	557.15	55	11.55	133	148.96	372	651.00	32	8.00	41	4.10
TOTALS	4,604	\$1,151.00	24,972	\$6,867.28	1,804	\$ 378.84	1,864	\$2,087.68	6,297	\$11,019.75	493	\$ 123.25	892	\$89.20

TABLE 13—Continued  
 BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION—Continued

MONTH	DIPHTHERIA TOXOID				TETANUS ANTITOXIN									
	ALUM Four (6cc) Ampoules		Toxoid with Pertussis (comb.) Six (6cc) Amps.		1,500 Unit Vials	Cost	10,000 Unit Vials	Cost	20,000 Unit Vials	Cost	Syrin- ges	Cost	10,000 Units Outfits	Cost
	Pkgs.	Cost	Pkgs.	Cost										
1942														
April.....	.....	.....	.....	.....	3,906	\$ 1,132.74	79	\$ 138.25	42	\$ 136.50	168	\$ 33.60	4	\$ 8.40
May.....	.....	.....	.....	.....	3,472	1,006.88	32	56.00	6	19.50	100	20.00	9	18.90
June.....	.....	.....	.....	.....	5,126	1,486.54	131	229.25	74	240.50	272	54.40	27	56.70
July.....	.....	.....	.....	.....	5,917	1,715.93	69	120.75	40	130.00	150	30.00	4	8.40
August.....	.....	.....	.....	.....	4,914	1,425.06	122	213.50	34	110.50	160	32.00	9	18.90
September.....	523	\$ 915.25	.....	.....	4,739	1,374.31	284	497.00	156	507.00	195	39.00	1	2.10
October.....	393	687.75	.....	.....	4,801	1,392.29	38	66.50	3	9.75	125	25.00	1	2.10
November.....	166	290.50	.....	.....	4,078	1,182.62	79	138.25	35	113.75	181	36.20	14	29.40
December.....	23	40.25	.....	.....	3,168	918.72	39	68.25	7	22.75	143	28.60	5	10.50
1943														
January.....	4	7.00	.....	.....	2,829	820.41	46	80.50	13	42.25	56	11.20	1	2.10
February.....	17	29.75	.....	.....	2,441	707.89	51	89.25	63	204.75	100	20.00	2	4.20
March.....	21	36.75	.....	.....	3,065	888.85	116	203.00	58	188.50	62	12.40	17	35.70
TOTALS.....	1,147	\$2,007.25	6	\$ 21.90	48,456	\$14,052.24	1,086	\$1,900.50	531	\$1,725.75	1,712	\$342.40	94	\$197.40

TABLE 13—Continued  
 BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION—Continued

MONTH	SCARLET FEVER ANTITOXIN						SCARLET FEVER TOXIN						
	Prophy- lactic Doses	Cost	Treat- ment Doses	Cost	Syrin- ges	Cost	Dick Test	Cost	For 1 Person		For 6 Persons		
									Pkgs.	Cost	Pkgs.	Cost	
1942													
April	924	\$ 693.00	392	\$ 1,078.00	50	10.00	1,760	\$ 440.00	1,208	\$ 362.40	2,914	\$ 2,914.00	
May	593	444.75	227	624.25	125	25.00	668	167.00	1,010	303.00	707	707.00	
June	534	400.50	158	434.50	.....	.....	469	117.25	792	237.60	255	255.00	
July	490	367.50	212	583.00	.....	.....	412	103.00	722	216.60	308	308.00	
August	523	392.25	102	280.50	50	10.00	499	124.75	691	207.30	302	302.00	
September	233	174.75	231	635.25	.....	.....	875	218.75	970	291.00	963	963.00	
October	399	299.25	112	308.00	100	20.00	818	204.50	1,017	305.10	1,201	1,201.00	
November	576	432.00	272	748.00	.....	.....	819	204.75	765	229.50	877	877.00	
December	609	456.75	256	704.00	.....	.....	693	173.25	892	267.60	526	526.00	
1943													
January	584	438.00	263	723.25	50	10.00	617	154.25	906	271.80	886	886.00	
February	598	448.50	164	451.00	50	10.00	688	172.00	957	287.10	719	719.00	
March	638	478.50	299	822.25	125	25.00	709	177.25	785	235.50	470	470.00	
TOTAL	6,701	\$ 5,025.75	2,688	\$ 7,392.00	550	\$ 110.00	9,027	\$ 2,256.75	10,715	\$ 3,214.50	10,128	\$10,128.00	

TABLE 13—Continued  
BIOLOGICAL PRODUCTS—MONTHLY DISTRIBUTION—Continued

MONTH	SMALLPOX VACCINE						ANTI-ANTHRAX SERUM	RABIES VACCINE		PERTUSSIS VACCINE		TYPHOID VACCINE	
	1 Tube per Package		5 Tubes per Package		10 Tubes per Package			Treatment		6 c.c. Vials		10 c.c. Vials	
	Pkgs.	Cost	Pkgs.	Cost	Pkgs.	Cost		Pkgs.	Cost	Vials	Cost	Pkgs.	Cost
1942													
April.....	944	\$ 84.96	768	180.48	1,132	\$ 509.40	.....	.....	3,000	\$ 1,500.00	700	\$ 252.00	
May.....	1,279	115.11	697	163.79	654	294.30	.....	.....	1,000	500.00	800	288.00	
June.....	1,310	117.90	696	163.56	782	351.90	2	\$ 12.00	2,500	1,250.00	500	180.00	
July.....	1,002	90.18	495	116.32	415	186.75	4	24.00	2,056	1,028.00	450	162.00	
August.....	1,399	125.91	798	187.53	434	195.30	.....	.....	2,000	1,000.00	500	180.00	
September.....	1,815	163.35	651	152.99	1,305	587.25	2	12.00	4,050	2,025.00	500	180.00	
October.....	1,260	113.40	599	140.76	1,686	758.70	9	54.00	4,000	2,000.00	500	180.00	
November.....	1,140	102.60	695	163.33	1,284	577.80	10	60.00	5,000	2,500.00	300	108.00	
December.....	694	62.46	433	101.76	366	164.70	1	6.00	3,500	1,750.00	300	108.00	
1943													
January.....	779	70.11	473	111.16	941	423.45	3	18.00	3,500	1,750.00	.....	.....	
February.....	741	66.69	431	101.29	807	363.15	1	6.00	5,000	2,500.00	502	180.72	
March.....	978	88.02	516	121.26	616	277.20	.....	.....	2,224	1,112.00	.....	.....	
TOTALS.....	13,341	\$ 1,200.69	7,252	\$ 1,704.23	10,422	\$ 4,689.90	32	\$ 192.00	37,830	\$ 18,915.00	5,052	\$ 1,818.72	

TABLE 14  
BIOLOGICAL PRODUCTS—ANNUAL DISTRIBUTION

Fiscal Year 1942-43

DIPHTHERIA:

Antitoxin . . . . .	2,547 x 1M units vials at . . . . .	.14 each . . . . .	\$ 356.58
	970 x 10M units vials at . . . . .	1.20 each . . . . .	1,164.00
	765 x 20M units vials at . . . . .	2.40 each . . . . .	1,836.00
	246 x 40M units vials at . . . . .	4.80 each . . . . .	1,180.80

Total . . . . . \$ 4,537.38

Schick Test Toxoid . . . . .	4,604 Outfits at . . . . .	.25 each . . . . .	1,151.00
	24,972 x 1 person packages at . . . . .	.27½ each . . . . .	6,867.28
	1,804 x One 3 cc. ampoules packages at . . . . .	.21 each . . . . .	378.84
	1,864 x Six 3 cc. ampoules packages at . . . . .	1.12 each . . . . .	2,087.68
	6,297 x Six 6 cc. ampoules packages at . . . . .	1.75 each . . . . .	11,019.75
	892 Reaction Test ampoules at . . . . .	.10 each . . . . .	89.20
	493 Diluted for Reactors packages at . . . . .	.25 each . . . . .	123.25
	1,147 Alum 4 x 6 cc. ampoules pckgs. at . . . . .	1.75 each . . . . .	2,007.25

Total . . . . . \$23,724.25

TOXOID WITH PERTUSSIS:

(Combined) . . . . .	6 x Six 6 cc. ampoules packages at . . . . .	\$3.65 each . . . . .	\$ 21.90
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TETANUS:

Antitoxin . . . . .	48,456 x 1,500 units vials at . . . . .	\$.29 each . . . . .	\$14,052.24
	1,086 x 10,000 units vials at . . . . .	1.75 each . . . . .	1,900.50
	531 x 20,000 units vials at . . . . .	3.25 each . . . . .	1,725.75
Intraspinal Outfits . . . . .	94 x 10,000 units with outfits at . . . . .	2.10 each . . . . .	197.40

Total . . . . . \$17,875.89

SCARLET FEVER:

Antitoxin . . . . .	6,701 Prophylactic doses at . . . . .	\$.75 each . . . . .	\$ 5,025.75
	2,688 Treatment doses at . . . . .	2.75 each . . . . .	7,392.00

Total . . . . . \$12,417.75

Dick Test Toxin . . . . .	9,027 Outfits at . . . . .	\$.25 each . . . . .	\$ 2,256.75
	10,715 x 1 person packages at . . . . .	.30 each . . . . .	3,214.50
	10,128 x 6 person packages at . . . . .	1.00 each . . . . .	10,128.00

Total . . . . . \$15,599.25

MENINGOCOCCUS:

Anti-Serum . . . . .	879 x 20 cc. vials at . . . . .	\$1.25 each . . . . .	\$ 1,098.75
Intraspinal Outfits . . . . .	223 x 20 cc. vials with outfits at . . . . .	1.70 each . . . . .	379.10

Total . . . . . \$ 1,477.85

SMALLPOX:

Vaccine . . . . .	13,341 x 1-point packages at . . . . .	\$.09 each . . . . .	\$ 1,200.69
	7,252 x 5-point packages at . . . . .	.23½ each . . . . .	1,704.23
	10,422 x 10-point packages at . . . . .	.45 each . . . . .	4,689.90

Total . . . . . \$ 7,594.82

RABIES:

Vaccine . . . . .	32 treatments . . . . .	\$6.00 each . . . . .	\$ 192.00
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PERTUSSIS:	
Vaccine.....	37,830 x 6 cc. vials at..... \$ .50 each..... \$18,915.00
TYPHOID-PARATYPHOID:	
Vaccine.....	5,052 x 10 cc. vials at..... \$ .36 each..... \$ 1,818.72
ANTI-ANTHRAX SERUM....	12 x 50 cc. vials at..... \$5.50 each..... \$ 66.00

TABLE 15  
BIOLOGICAL PRODUCTS AND INSULIN

Fiscal Year 1942-43

SUMMARY OF ANNUAL DISTRIBUTION	Costs
Diphtheria Products.....	\$ 28,261.63
Diphtheria Toxoid and Pertussis Vaccine (comb.).....	21.90
Tetanus Products.....	17,875.89
Scarlet Fever Products.....	28,017.00
Meningococcus Products.....	1,477.85
Smallpox Vaccine.....	7,594.82
Rabies Vaccine.....	192.00
Pertussis Vaccine.....	18,915.00
Typhoid-paratyphoid Vaccine.....	1,818.72
Anti-Anthrax Serum.....	66.00
Syringes.....	512.40
Cost of Biological Products and Syringes.....	\$104,753.21
Less Sale of Syringes (\$512.40)—NET COST.....	104,240.81

TABLE 16  
SUMMARY OF ANNUAL DISTRIBUTION

Fiscal Year 1942-43

PRODUCT	Costs
Biological Products—Gross Cost.....	\$104,753.21
Insulin—All types—Cost.....	49,801.02
Total Cost.....	\$154,554.23
Less Sale of Biological Syringes.....	512.40
Net Cost.....	\$154,041.83

TABLE 17  
COMPARATIVE STATEMENT OF COSTS—1942-43

COSTS OF DISTRIBUTION BY FISCAL YEARS			1942-43 Increase or Decrease over Previous Year 1941-42
A. Biological Products . . . . .	1941-42	1942-43	
(a) ACTIVE IMMUNIZATION:			
Diphtheria Toxoid . . . . .	\$ 30,000.67	\$ 23,724.25	\$ 6,276.42 D
Diphtheria Toxoid with Pertussis Vaccine (Comb.) . . . . .		21.90	21.90 I
Scarlet Fever Toxin . . . . .	19,996.25	15,599.25	4,367.00 D
Smallpox Vaccine . . . . .	8,212.40	7,594.82	617.58 D
Pertussis Vaccine . . . . .	24,432.50	18,915.00	5,517.50 D
Rabies Vaccine . . . . .	168.00	192.00	24.00 I
T.A.B. Vaccine . . . . .	1,620.00	1,818.72	198.72 I
Total . . . . .	\$ 84,399.82	\$ 67,865.94	\$ 16,533.88 D
(b) PASSIVE IMMUNIZATION:			
1. Prophylactic size package—			
Diphtheria Antitoxin . . . . .	505.96	356.58	149.38 D
Tetanus Antitoxin . . . . .	19,435.07	14,052.24	5,382.83 D
Scarlet Fever Antitoxin . . . . .	7,794.75	5,025.75	2,769.00 D
Total . . . . .	\$ 27,735.78	\$ 19,434.57	\$ 8,301.21 D
2. Treatment size package—			
Diphtheria Antitoxin . . . . .	7,455.60	4,180.80	3,274.80 D
Tetanus Antitoxin . . . . .	3,867.30	3,823.65	43.65 D
Scarlet Fever Antitoxin . . . . .	11,646.25	7,392.00	4,254.25 D
Perfringens Antitoxin . . . . .	15.20		15.20 D
C. S. M. Serum . . . . .	2,512.75	1,477.85	1,034.90 D
Anti-Anthrax Serum . . . . .	121.00	66.00	55.00 D
Total . . . . .	\$ 25,618.10	\$ 16,940.30	\$ 8,677.80 D
Syringes . . . . .	708.60	512.40	196.20 D
Total . . . . .	\$ 138,462.30	\$ 104,753.21	\$ 33,709.09 D
B. Insulin . . . . .	\$ 59,759.36	\$ 49,801.02	\$ 9,958.34 D
Biological Products and Insulin— Total Cost . . . . .	\$ 198,221.66	\$ 154,554.23	\$ 43,667.43 D

\*D—Decrease. I—Increase.

TABLE 18  
ANNUAL DISTRIBUTION OF TUBERCULIN

Calendar Year 1943

Private Physicians supplied with Tuberculin . . . . .	416
Hospitals supplied with Tuberculin . . . . .	91
Provincial Branch Laboratories supplied with Tuberculin . . . . .	4
Provincial Travel Clinics supplied with Tuberculin . . . . .	3
Miscellaneous—Schools, Industries, etc., supplied with Tuberculin . . . . .	34



TABLE 19  
ANNUAL DISTRIBUTION OF TUBERCULIN—BY AMOUNTS DISTRIBUTED  
(Calendar Year—1943)

TYPE	1 cc. VIALS		5 cc. VIALS		TOTAL	
	No. of Vials	Contents (cc.)	No. of Vials	Contents (cc.)	No. of Vials	Contents (cc.)
No. 1 Solution.....	2,256	2,256	1,889	9,445	4,145	11,701
No. 2 Solution.....	771	771	.....	.....	771	771
Total.....	3,027	3,027	1,889	9,445	4,916	12,472

TABLE 20  
ANNUAL DISTRIBUTION OF TUBERCULIN—BY COSTS  
(Calendar Year—1943)

TYPE	No. of Vials	Cost per Vials	Total Cost
No. 1 Sol. (1cc.).....	2,256	\$0.30	\$ 676.80
No. 1 Sol. (5cc.).....	1,889	.95	1,794.55
No. 2 Sol. (1cc.).....	771	.35	269.85
Total.....			\$2,741.20

TABLE 21  
COMPARATIVE STATEMENT—TUBERCULIN DISTRIBUTION AND COST  
1942-1943

TYPE	1942		1943		Increase or Decrease
	Vials	Cost	Vials	Cost	Cost
No. 1 Sol. (1cc.).....	2,672	\$ 801.60	2,256	\$ 676.80	\$ 124.80 D
No. 1 Sol. (5cc.).....	1,774	1,685.30	1,889	1,794.55	109.25 I
No. 2 Sol. (1cc.).....	948	331.80	771	269.85	61.95 D
Total.....		\$2,818.70		\$2,741.20	\$ 77.50 D

\*D—Decrease. I—Increase.

## DIVISION OF VENEREAL DISEASE CONTROL

ANNUAL REPORT, 1943

MAJOR JOHN A. LEROUX, R.C.A.M.C., *Director*

The year 1943 was significant for Canada in the field of venereal disease control. It witnessed a markedly revived public interest in Canada's greatest single health problem. During the year the Federal Department of Pensions and National Health organized its Division of Venereal Disease Control. Coincident with this development, effective specific action in venereal disease control was initiated by the armed forces. The influence of the armed forces control measures particularly was felt as the year progressed. For example, the major contribution in epidemiology within the province sprang from the added attention which the armed forces gave to this important measure during 1943. This Department anticipates, with real gratification, the benefits of the increasing liaison with the armed forces, which should certainly be reflected in improved venereal disease control during 1944.

## ADMINISTRATION

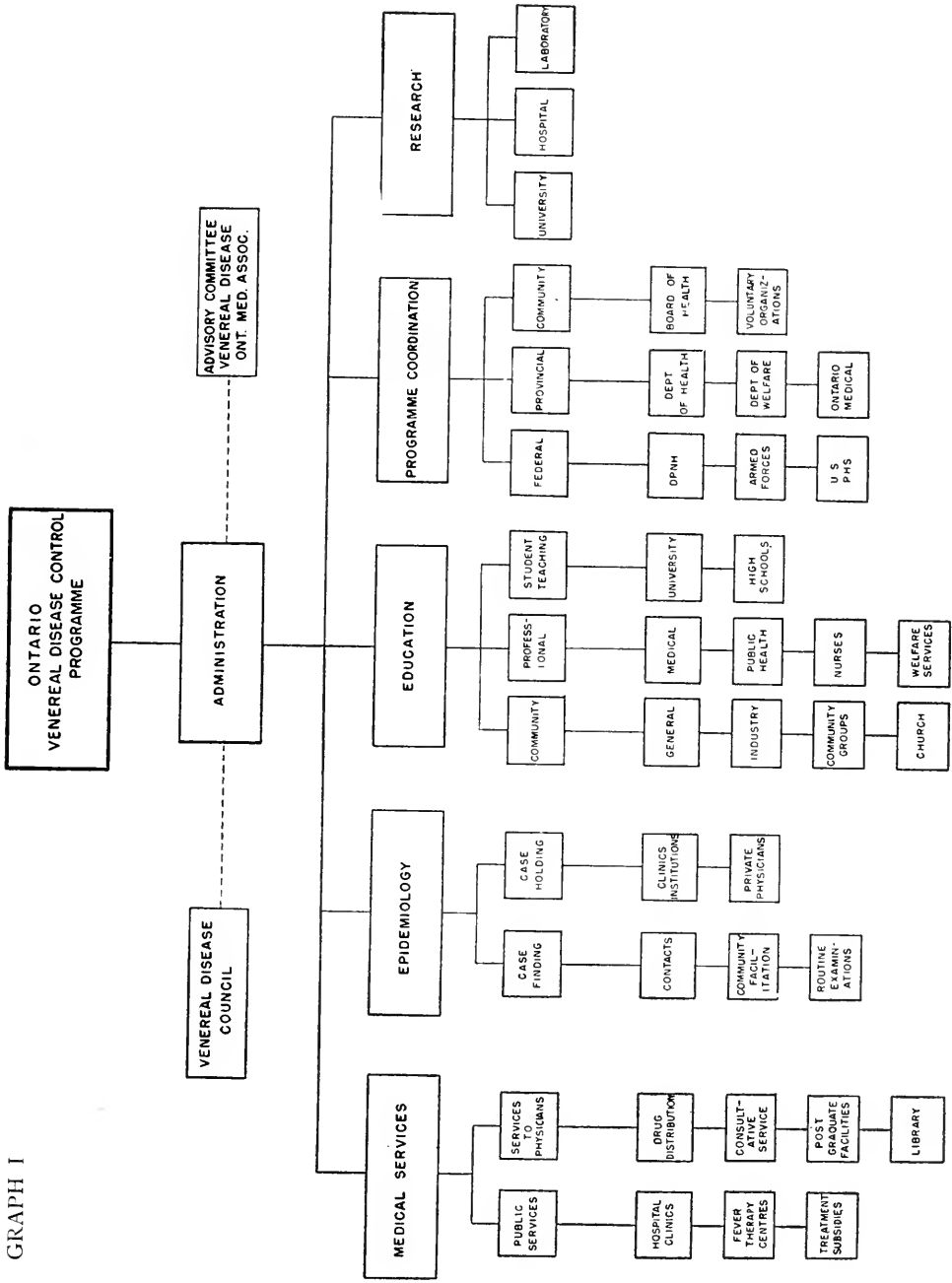
Significant changes, too, were made in the administration of Ontario's venereal disease control programme during the latter quarter of 1943. Faced with an increasing venereal disease incidence, calling for energetic action to protect the people of Ontario from ill health, a reorganization of venereal disease control was undertaken in October, 1943. Initiated by certain key personnel changes more emphasis was brought to bear upon preventive measures in the programme—epidemiology, education, community action. A basic set of objectives for a preventive programme was established. These objectives were:

1. The Provision of Adequate Medical Care for Venereal Disease Patients.
2. Health Education on Venereal Disease Control Throughout Ontario.
3. A Programme of Case-Finding—Epidemiology.
4. The Promotion of Community Action against Venereal Disease.
5. The Protection of Ontario's Babies from Syphilis
6. The Protection of Ontario's Homes and Families from Venereal Disease.
7. The Advancement of Venereal Disease Control through Teaching and Research.

It was recognized that a "drive" or "short-term" effort would not bring fulfilment of these objectives. Therefore, there was prepared, in detail, a programme to be developed upon a sound and extended basis. With each year a definite group of items in this programme will be developed until a comprehensive preventive programme is achieved and functioning in Ontario. Graph I presents the extent of the organization that is planned for Ontario.

The first practical step taken to institute this organization proved possible in the latter quarter of the year. Upon invitation from the Minister of Health, the Ontario Medical Association formed an Advisory Committee on Venereal Disease Control, comprised of six physicians representing various sections of Ontario. The first meeting of this committee was held on December 15th in the offices of the Department of Health. The Division looked forward, from the experience of the first meeting, to future similar occasions when the assistance of these representatives of the medical profession would be available.

GRAPH I



Certain real difficulties presented for the Division during 1943. The greatest among these was a shortage of adequately trained personnel to carry out this programme. In October the Director General of Medical Services, Canadian Army, brought assistance to the Department, upon invitation from the Minister of Health, in supplying on a part-time basis, a Venereal Disease Control Officer from the Royal Canadian Army Medical Corps, to assume direction of the Division of Venereal Disease Control. Further aid was provided in the opportunity to send personnel for training as epidemiological field workers at a three-month course provided by the Montreal School of Social Work. While only two workers were sent to attend the first course in July, plans were laid during December for training six additional workers at the second course in the coming year.

These valuable additions, however, were only slowly bringing the number of personnel within the Division to an adequate strength for the tremendous task ahead in Ontario. Considerable increase in staff will be required during 1944.

A second difficulty in administration existed in inadequate space for the offices of the Division. Steps were taken in December to correct this condition in a move to new offices on the same floor of the Parliament Buildings. Addition of further space, planned during 1944, will remove this difficulty.

The resumption of financial aid to the province, represented by an annual Federal grant of almost \$40,000.00 was most gratifying. This grant was being expended during the fiscal year 1943-44, principally on the widening of epidemiological and educational services to the people of Ontario. The Division was grateful, too, for the continuance of the annual Federal grant of arsenical for intravenous therapy.

From an administrative standpoint, one noted the contribution to the Division resulting from the sincere work and personal interest which all members of the staff of the Division brought to the programme. An extensive and detailed programme such as the Division is developing can never be the product of one or a few members of the staff, but can only successfully develop with the full interest of all members of the staff, each contributing their share to the whole job. One of the greatest promises of the coming year is the increased personal interest which the staff will take in this programme. The Director received the active support and sincere personal interest of his senior medical officers within the Department and expresses here appreciation for valuable advice given by these officers.

#### MEDICAL SERVICES

Medical services formed an important phase of the work of the Division. They contributed both to the welfare of the patient and to the prevention of venereal disease through the removal, by adequate medical care, of the public health threat of infectious venereal disease patients. Aid in medical care was provided in 1943 through public services—clinics, fever therapy centres, and financial subsidies to municipalities in payment of medical care for indigent patients—and by assistance to physicians in the treatment of patients privately—free drugs. Considerable expansion of these services is planned during 1944, particularly in assistance to private patients.

##### *Venereal Disease Control Clinics*

Fourteen Hospital and six Department of Health Venereal Disease Control Clinics operated in Ontario. Hospital clinics operated under the administration of the hospital, as an out-patient service. They were subsidized substantially by the Department of Health. All of the larger clinics, with the exception of Ottawa, Windsor and Sudbury, were hospital clinics. Department of Health clinics were administered by the Local Board of Health and were supported

financially by the Department. All of the twenty clinics were public clinics. The important role of a public clinic lay not simply in the provision of treatment, but much more in the opportunity for the prevention of venereal disease which resulted from the access which the clinic provided, in an organized manner, to newly acquired venereal infections. Much more substantial returns were to be made to the people of Ontario, who supported this public service, where sound preventive measures were fostered in clinic operation—persistent case-holding, careful thorough case-finding, serious educational efforts and the examination of cases for evidence of community facilitation. Therefore, in assessing the volume of work in these clinics during 1943 in this report, particular stress has been laid on their effectiveness in preventive measures. The details provided below were determined through an analysis of monthly reports submitted by clinics during 1943.

From the standpoint of effectiveness of preventive measures, the analysis would tend to reveal that clinics generally present an unfavourable picture which will require close attention in the future.

There were a total of 2,419 new admissions to all clinics during 1943, as compared with 2,254 admissions during 1942 and 2,121 during 1941. (Table I.)

TABLE I  
PATIENTS ADMITTED TO VENEREAL DISEASE CONTROL CLINICS  
IN ONTARIO

Showing Annual Total Venereal New Admissions by Clinics  
For the Years 1941, 1942 and 1943

CLINIC	YEAR		
	1941	1942	1943
Toronto General Hospital.....	349	347	384
Toronto—St. Michael's Hospital.....	388	323	402
Toronto Western Hospital.....	217	267	236
Toronto—Hospital for Sick Children.....	32	41	52
Toronto—Women's College Hospital.....	98	112	99
Toronto East General Hospital.....	30	29	33
Brantford.....	32	23	18
Fort William.....	82	76	49
Hamilton.....	86	156	116
Kingston.....	78	68	80
Kitchener.....	17	28	40
London.....	31	54	81
Ottawa.....	241	232	243
Owen Sound.....	21	21	54
Peterborough.....	20	25	23
St. Catharines.....	61	54	52
Sudbury.....	83	97	132
Sault Ste. Marie.....	85	73	69
Timmins.....	38	55	53
Windsor.....	87	173	203
Totals.....	2,121	2,254	2,419

It was noted that there was an increase in admissions to clinics during the past two years. This increase, which was significant, probably reflected the general increase in venereal disease among Ontario's population. Of the 2,419 new admissions to clinics during 1943, 1,298 were syphilis and 1,121 were gonorrhoeal infections. (Table II.) Not every clinic revealed an increased number of

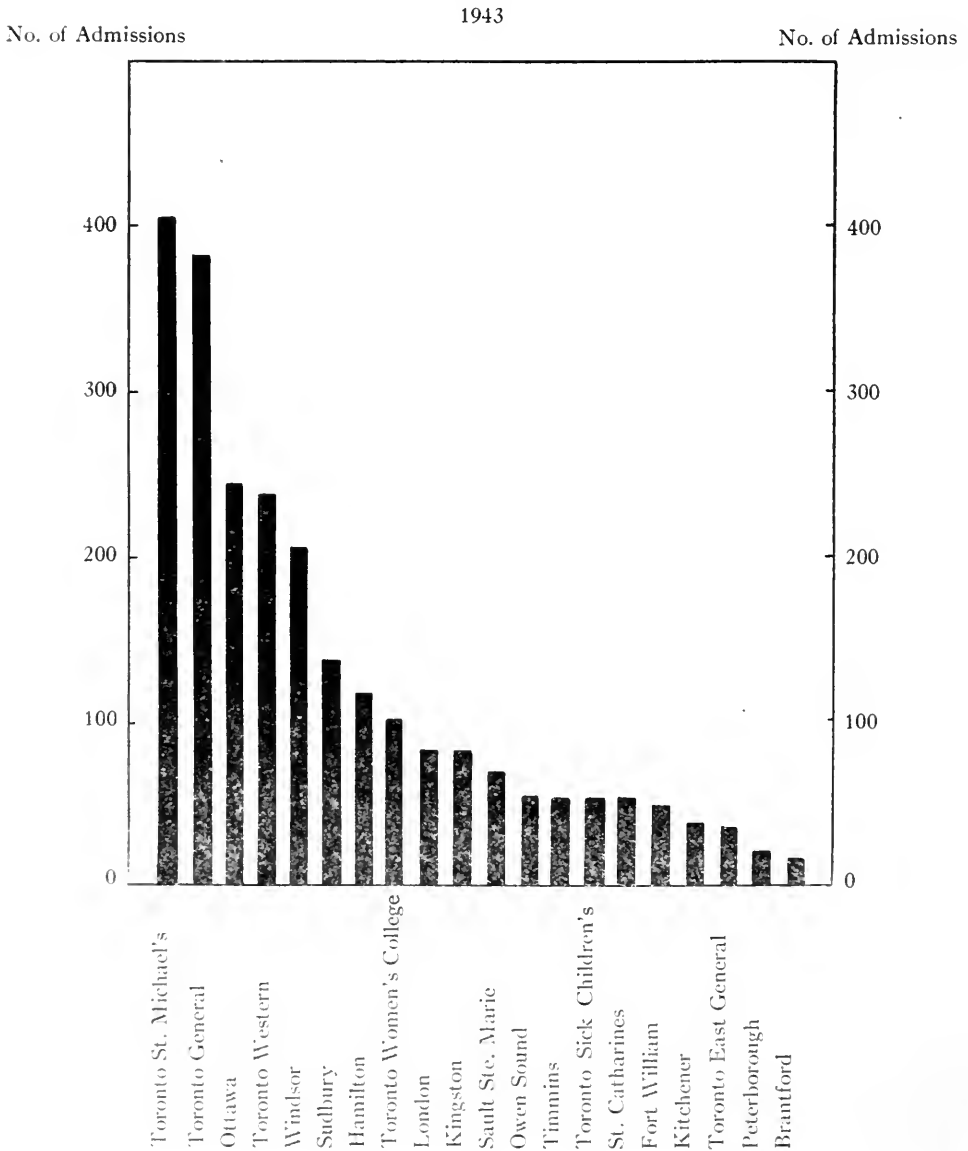
admissions, however, during 1943 as compared with 1942. In Table I the trend for the various clinics is presented. Graph II gives a comparative picture of the volume of new admissions in the various clinics during 1943.

An analysis has been made of two features associated with clinic operation, case-holding and case-finding.

GRAPH II

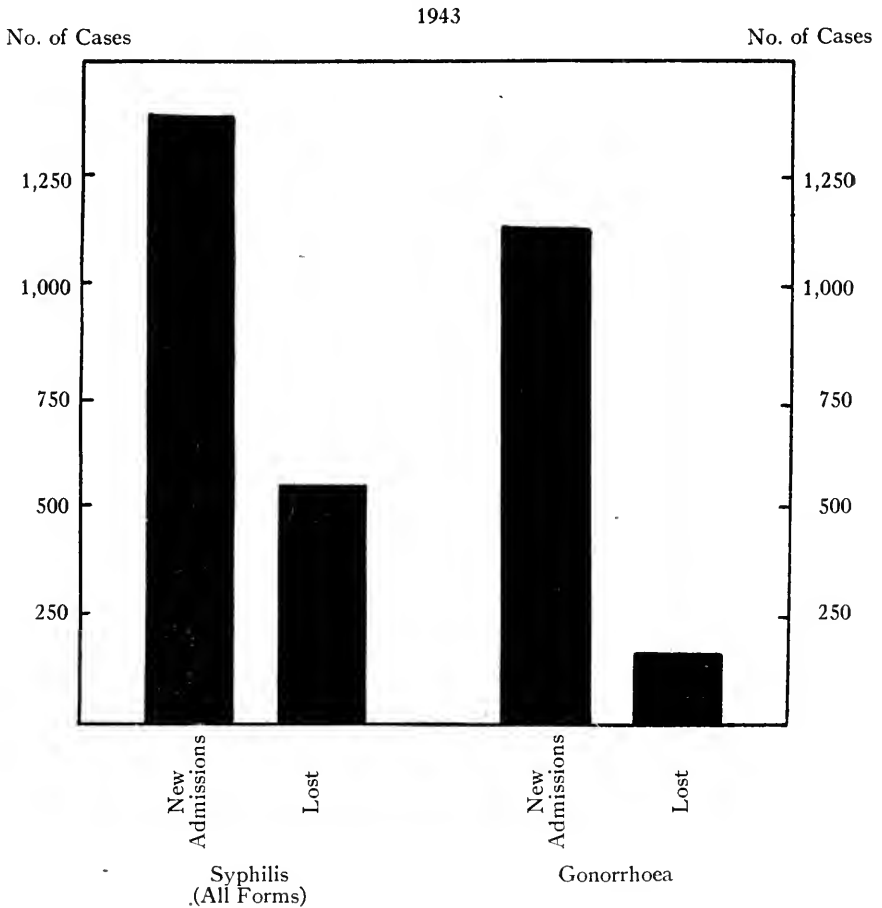
NEW ADMISSIONS TO VENEREAL DISEASE CONTROL CLINICS  
IN ONTARIO

Showing Total Venereal Admissions by Clinics



With respect to case-holding, taking the new admissions as a basis, the ratio of cases discharged without permission (lost) to new admissions has been calculated for each of the clinics and for the total clinics by disease. The information determined is presented in Table IV and portrayed in Graph III. The ratio of

GRAPH III  
PATIENTS DISCHARGED WITHOUT PERMISSION FROM VENEREAL DISEASE  
CONTROL CLINICS  
Compared with New Admissions to Clinics



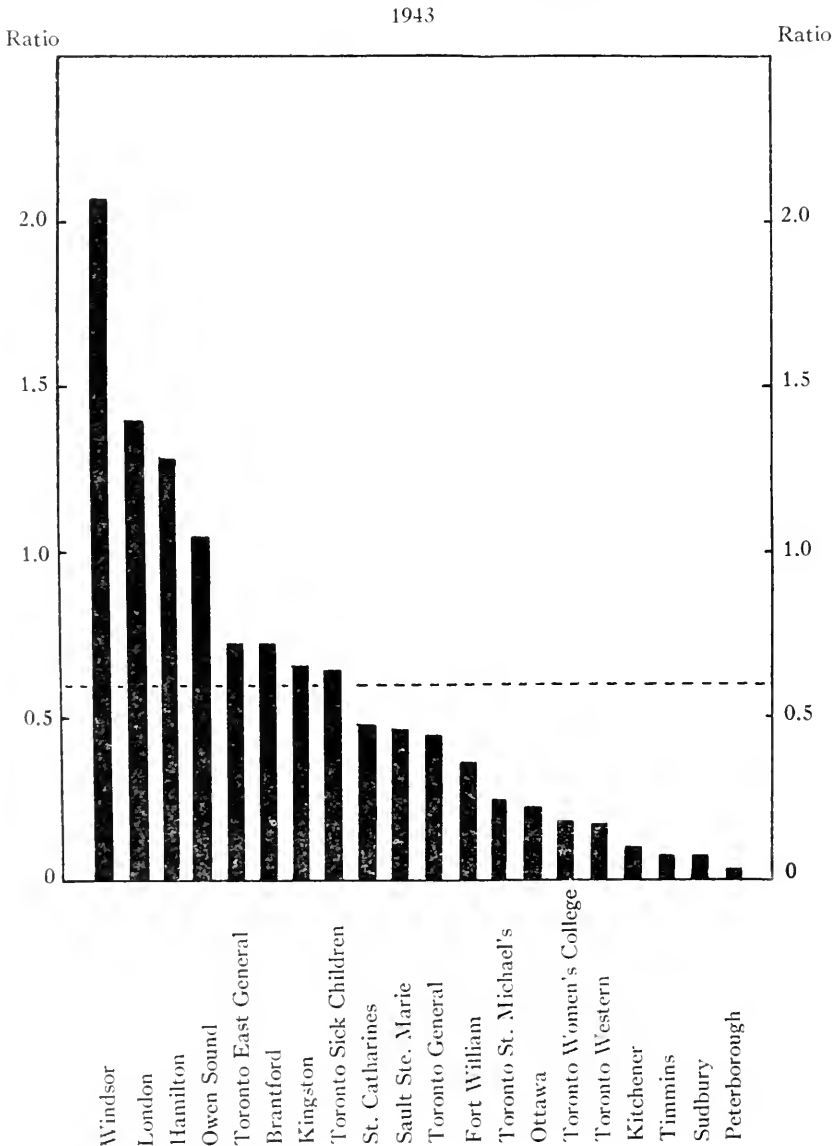
lost cases to new admissions during 1943 for all clinics was .42 for syphilis and .14 for gonorrhoea. These ratios represented a serious situation. It was likely that the effectiveness of modern sulphonamide therapy, which reduced the period of attendance markedly, was the important factor in the lower ratio of cases lost among gonorrhoeal patients. This lower ratio, as compared with syphilis, was reflected in all clinics. The serious public health implication of the very high ratio of lost syphilis cases could not be over-looked. For every two cases admitted with syphilis, one was lost from treatment during the year. Such lost cases, in many instances, were to continue as menaces to the public health. There was evident need for markedly increased attention to case-holding within clinics and for the need of an examination of the reasons which lay behind the tendency of so

many syphilis patients to neglect treatment. Analysis of the records submitted by certain of the clinics revealed that the picture was much more serious than total over-all clinic picture. (Table IV.) It was noted, too, that in certain clinics a very low ratio of lost cases, both syphilis and gonorrhoea, was achieved during 1943, indicating that these clinics had more adequately fulfilled an important public health function.

With respect to another preventive aspect of clinic operation, case-finding, an analysis was made of the ratio of contacts examined to each new venereal

GRAPH IV  
EPIDEMIOLOGIC INVESTIGATIONS IN VENEREAL DISEASE  
CONTROL CLINICS

Showing Ratio of Contacts Examined to New Admissions





disease admission. The results of this analysis are presented in Table V and portrayed in Graph IV. The ratio of contacts examined to new cases admitted, for all clinics, was .59, which had to be considered a low figure and pointed to the need for increased attention to epidemiology if hidden and unknown cases were to be found and their public health danger removed. As revealed in Table V, certain of the clinics presented a very favourable picture. The excellent result of 2.08 contacts examined for every new admission, achieved at the Windsor clinic, was a demonstration of good public health practice. The number of the larger clinics which achieved a ratio even lower than the total clinic average must be viewed with concern.

TABLE II  
PATIENTS ADMITTED TO VENEREAL DISEASE CONTROL CLINICS  
IN ONTARIO

Showing Annual Total New Admissions for All Clinics by Sex and Disease  
For the Years 1941, 1942 and 1943

YEAR	SYPHILIS (All Forms)			GONORRHOEA			TOTAL VENEREAL		
	M	F	Total	M	F	Total	M	F	Total
1941.....	631	518	1,149	599	373	972	1,230	891	2,121
1942.....	613	580	1,193	618	443	1,061	1,231	1,023	2,254
1943.....	655	643	1,298	623	498	1,121	1,278	1,141	2,419

TABLE III  
PATIENTS ADMITTED TO VENEREAL DISEASE CONTROL CLINICS  
IN ONTARIO

Showing Number of New Admissions by Disease and Clinics  
For the Year ending 31st December, 1943

CLINIC	DISEASE		
	Syphilis (All Forms)	Gonorrhoea	Total Venereal
Toronto General Hospital.....	215	169	384
Toronto—St. Michael's Hospital.....	207	195	402
Toronto Western Hospital.....	109	127	236
Toronto—Hospital for Sick Children.....	41	11	52
Toronto—Women's College Hospital.....	30	69	99
Toronto East General Hospital.....	23	10	33
Brantford.....	13	5	18
Fort William.....	23	26	49
Hamilton.....	75	41	116
Kingston.....	30	50	80
Kitchener.....	27	13	40
London.....	47	34	81
Ottawa.....	110	133	243
Owen Sound.....	30	24	54
Peterborough.....	11	12	23
St. Catharines.....	33	19	52
Sudbury.....	95	37	132
Sault Ste. Marie.....	35	34	69
Timmins.....	31	22	53
Windsor.....	113	90	203
Totals.....	1,298	1,121	2,419

TABLE IV  
PATIENTS DISCHARGED WITHOUT PERMISSION FROM VENEREAL  
DISEASE CONTROL CLINICS

Showing Annual Number and Ratio to New Admissions by Disease and Clinics  
For the Year 1943

CLINICS	New Admissions		Lapses—Discharged without Permission		Ratio Lapses to New Admissions	
	Syphilis	Gonorrhoea	Syphilis	Gonorrhoea	Syphilis	Gonorrhoea
Toronto General.....	215	169	227	37	1.05	.21
Toronto Western.....	109	127	73	23	.66	.17
Toronto—St. Michael's...	207	195	36	27	.17	.13
Toronto Sick Children's...	41	11	5	...	.12	...
Toronto—Women's College	30	69	14	9	.46	.13
Toronto East General.....	23	10	4	...	.17	...
Brantford.....	13	5	6	...	.46	...
Fort William.....	23	26	11	4	.47	.15
Hamilton.....	75	41	23	4	.30	.09
Kingston.....	30	50	5	1	.16	.02
Kitchener.....	27	13	1	1	.03	.07
London.....	47	34	8	7	.17	.20
Ottawa.....	110	133	23	21	.20	.15
Owen Sound.....	30	24	2	...	.06	...
Peterborough.....	11	12	8	7	.72	.58
St. Catharines.....	33	19	28	7	.84	.36
Sudbury.....	95	37	47	4	.49	.10
Sault Ste. Marie.....	35	34	8	...	.22	...
Timmins.....	31	22	10	5	.32	.22
Windsor.....	113	90	19	11	.16	.12
Totals—All Clinics.....	1,298	1,121	558	168	.42	.14

During the early part of 1943 there was instituted in eight clinics a policy of collection of fees from patients in attendance. This practice was permitted through a revision of the Regulations under The Venereal Diseases Prevention Act, 1942. Upon reorganization of the Division, this practice was discontinued, with the co-operation of the hospitals concerned. An effort was made to have all clinics cease collection of fees by the end of the fiscal year, March 31st, 1944. It was felt that this practice placed an unnecessary obstacle, for the economically hard-pressed patient, which would have an unfavourable public health influence should he neglect treatment as a result. One case of primary syphilis neglecting treatment because of an inability to meet even a small demand of fee collection could, through the spread of disease from his untreated infection, cost this province, in a small number of years, far in excess of a total sum which might be collected in all clinics. Further, this policy of charging for medical services in public clinics rendered void any legislative authority which the Department might have to enforce treatment, since the patient could raise, as a reasonable argument, his inability to make payment in explaining his failure to take treatment.

Pressure of central reorganization made it impossible for the Director to visit personally each of the clinics for examination of their operation. It is hoped that during 1944 such opportunity will present and that substantial improvements can be made where they are indicated. It is the responsibility of the Department of Health, when treatment is made compulsory, that the most wholesome clinic surroundings and the best of medical care is provided to patients who must attend public clinics. The day has passed when Venereal Disease Control Clinics are to be relegated to dingy quarters, ramshackle wooden out-buildings, or other

unsuitable premises. The time has come, both in the interests of the dignity of the patient and in the interests of public health, for venereal disease patients to be treated with a kind, sympathetic and humane manner, giving full attention to their unfortunate plight.

TABLE V  
EPIDEMIOLOGIC INVESTIGATION IN VENEREAL DISEASE  
CONTROL CLINICS

Showing Ratio of Contacts Examined to New Venereal Disease Admissions by Clinics  
For the Year 1943

CLINIC	Total Venereal New Admissions	Number of Contacts Examined	Ratio Contacts Examined per Admission
Windsor.....	203	423	2.08
London.....	81	113	1.39
Hamilton.....	116	199	1.28
Owen Sound.....	54	57	1.05
Toronto East General.....	33	24	.72
Brantford.....	18	13	.72
Kingston.....	80	53	.66
Toronto Sick Children's.....	52	34	.65
St. Catharines.....	52	25	.48
Sault Ste. Marie.....	69	33	.47
Toronto General.....	384	174	.45
Fort William.....	49	18	.36
Toronto—St. Michael's.....	402	112	.25
Ottawa.....	243	56	.23
Toronto—Women's College.....	99	19	.19
Toronto Western.....	236	44	.18
Kitchener.....	40	5	.12
Timmins.....	53	5	.09
Sudbury.....	132	12	.09
Peterborough.....	23	1	.04
Totals—All Clinics.....	2,419	1,420	.59

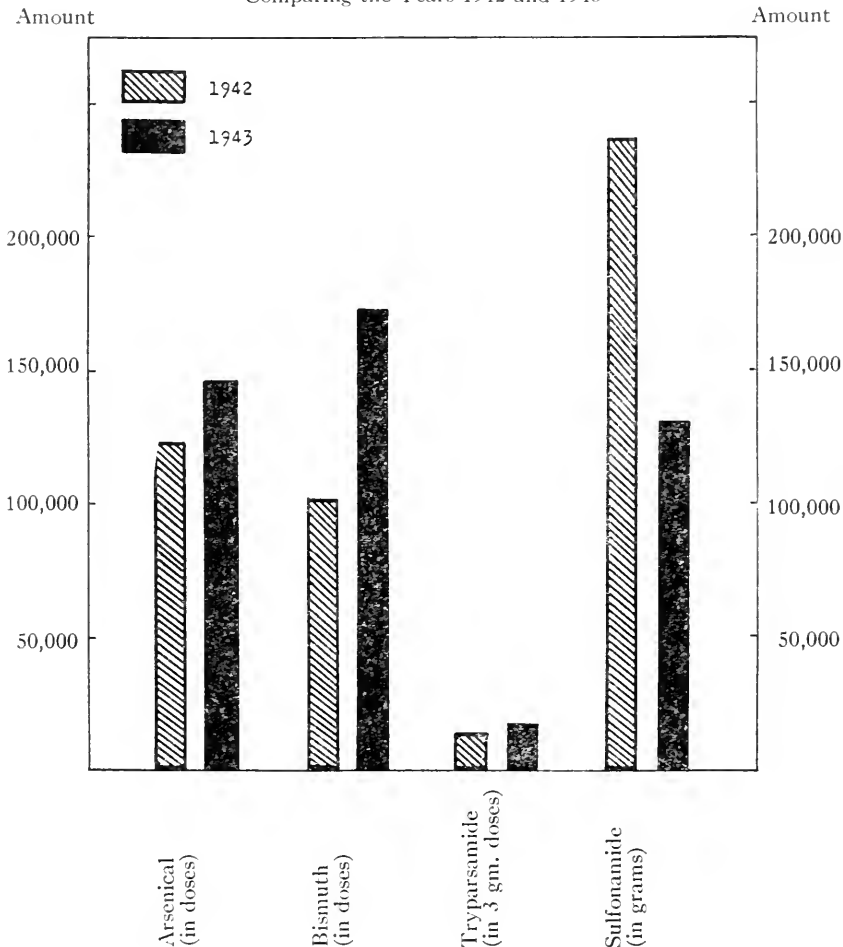
#### *The Distribution of Medication.*

During 1943 the practice of distributing certain medications, without charge, for the treatment of venereal disease was continued. This distribution was made to physicians upon their request for this service. There were increased demands for all drugs used in the treatment of syphilis. There was a trend to the use of more bismuth for treatment, which was altogether favourable. A decided decrease in the amount of sulphathiazole distributed was noted during the year. The mechanics of distribution of sulphathiazole demand that it can be easily made available to the patient at the exact time when he requires it—his first visit to his doctor. It was probable that, with increased income generally enjoyed by a greater portion of our population, gonorrhoeal patients paid for their own drug, rather than face the delay in having it obtained for them free of charge from the Department of Health. There is need to examine the method of distribution of drugs for gonorrhoea and to present a plan much more satisfactory for the physician's use. Table VI presents a statement of the medications distributed free by the Division during 1942 and 1943 and Graph V portrays the trend of distribution for the two years.

GRAPH V

MEDICATIONS DISTRIBUTED BY THE DIVISION OF VENEREAL  
DISEASE CONTROL

Comparing the Years 1942 and 1943



*Consultative Service.*

During 1943 many requests were received from private physicians for consultant assistance in the management of their venereal disease patients. No record has been maintained, however, of the exact number of these requests. Such assistance as was given was provided by the full-time medical staff of the Division. During the latter part of the year this duty fell largely upon the Director. The Director, in his heavy administrative duties, could not give the time required for this service. Therefore, during the latter part of 1943, plans were laid for appointing to the staff, on a part-time basis, specially qualified physicians who would devote the time of their service entirely to consultative work. It was planned to make four suitable appointments for this purpose early in the coming year. This service should bring to physicians, and through them to their patients, valuable assistance in venereal disease clinical problems.

TABLE VI

## MEDICATIONS DISTRIBUTED BY THE DIVISION OF VENEREAL DISEASE CONTROL

Comparing the Years 1942 and 1943

MEDICATION	Annual Amount Distributed	
	1942	1943
Mapharsen (in Gm.).....	4,734	6,379
Novarsen (in Gm.).....	26,453	23,702
Stovarsol (tablets).....	14,600	14,316
Tryparsamide (in Gm.).....	38,058	52,910
Bismuth Oxychloride (in grains).....	204,948	342,052
Mercury (in grains).....	3,969	2,356
Sterile Water—		
10 cc. vials.....		46,940
20 cc. vials.....	71,621	42,072
Sulphonamide		
Sulphanilamide (in Gm.).....	167	.....
Sulphapyridine (in Gm.).....	4,250	.....
Sulphathiazole (in Gm.).....	241,000	135,250

## EPIDEMIOLOGY

## I. MORBIDITY.

An alarming increase in venereal disease has occurred under the stress of war-time conditions (Graph VI). Venereal disease has become the greatest single public health problem in Ontario. There were reported to the Department during 1943, 13,239 venereal infections, a staggering amount of ill health. Since the onset of war more than 50,000 cases of venereal disease have been made known to the Department of Health. In the past seven years, 1937-1943 inclusive, a total of almost 70,000 infections have been reported (Table VII).

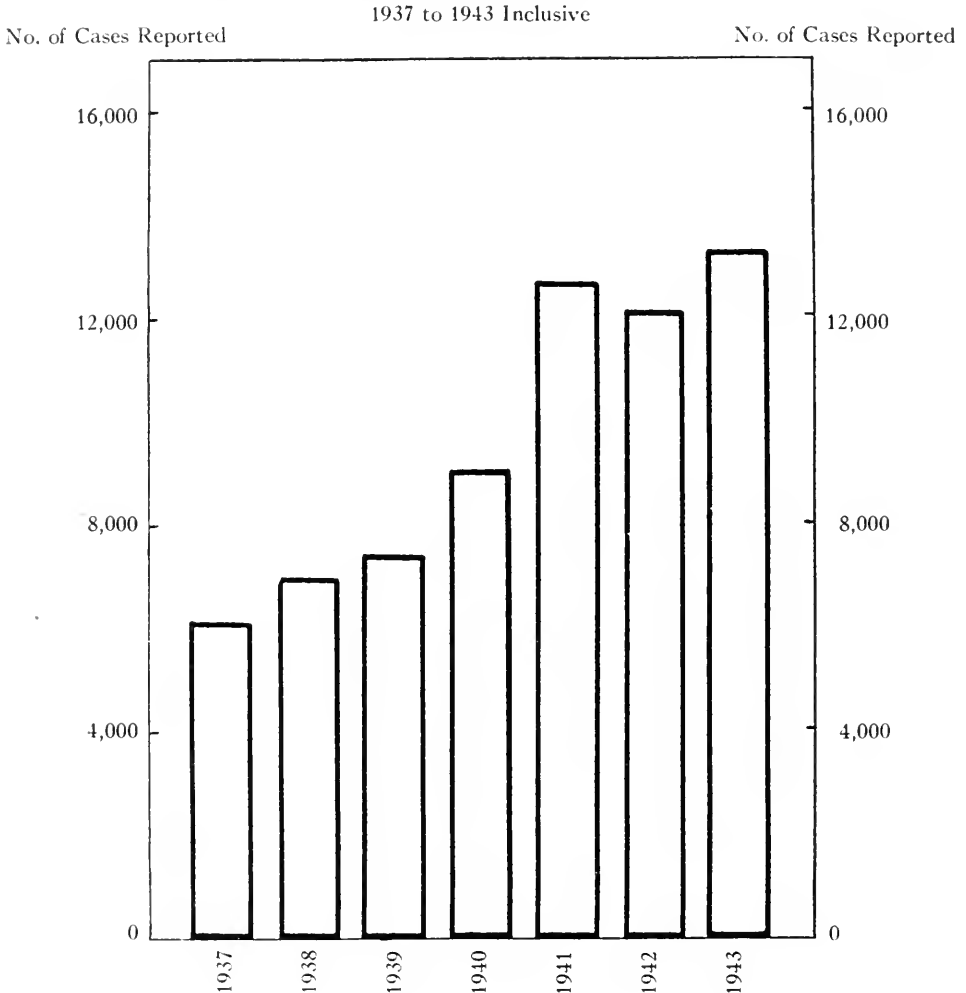
TABLE VII

## THE INCIDENCE OF VENEREAL DISEASE IN ONTARIO

Showing Annual Number of Venereal Infections Reported  
1937 to 1943 Inclusive

YEAR	Syphilis (All Forms)	Gonorrhoea	Total Venereal
1937.....	2,415	3,481	5,896
1938.....	3,010	4,188	7,198
1939.....	3,285	4,125	7,410
1940.....	4,953	4,218	9,171
1941.....	7,484	5,293	12,777
1942.....	5,952	6,220	12,172
1943.....	6,849	6,390	13,239
Totals.....	33,948	33,915	67,863

GRAPH VI  
THE INCIDENCE OF VENEREAL DISEASE IN ONTARIO  
Showing Annual Number of Venereal Infections Reported



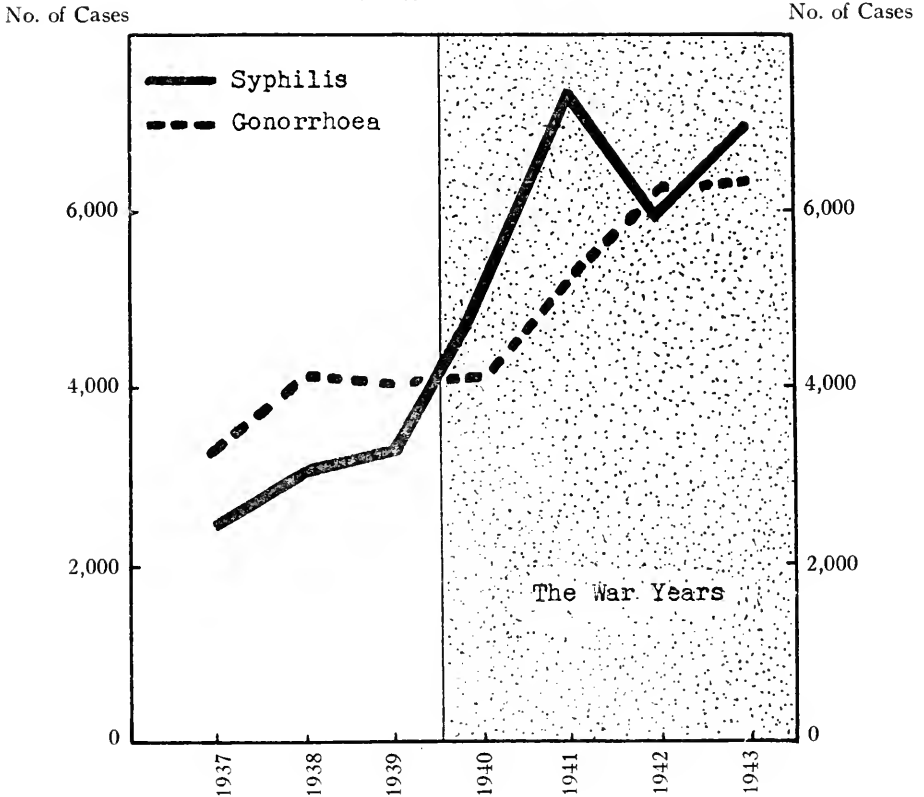
Graph VII portrays the alarming increase of both syphilis and gonorrhoea that has taken place during the war years. There were over 1,000 more venereal infections reported in Ontario during 1943 than in 1942. With almost every year of the war there has been an increase in the number of cases reported. These official figures told only part of the story of this gigantic health problem. From the study of departmental records there was ample reason to believe that for every reported case of syphilis infection there were at least two more people in Ontario's population who had syphilis, which was not reported, many of whom did not even know they were infected. For every reported case of gonorrhoeal infection there were probably as many as four or five people unreported, who had this disease. These cases may not even have been diagnosed and treatment may have been neglected. This excessive morbidity among our population was ample reason for intensified preventive measures planned in the Division's programme.

GRAPH VII

## THE INCIDENCE OF VENEREAL DISEASE IN ONTARIO

Showing Annual Number of Cases Reported by Disease

1937 to 1943 Inclusive

(a) *Syphilis.*

There were 6,849 syphilis infections of all types reported to the Department of Health by all reporting agencies during 1943. This compared with 5,952 infections reported during 1942, a significant increase of 897 or 13%. This represented a rate of syphilis of 180 per 100,000 population. The excessive amount of syphilis in Ontario could be more clearly visualized in comparing the above rate with that of Sweden in 1938 where a low rate of 14 per 100,000 population had been achieved. In Norway, between the years 1933 and 1939, the maximum syphilis rate for any year did not exceed 24. Statistics in Canada are scarce for comparative purposes.

This increase in syphilis incidence in Ontario, in the past year, had to be viewed as serious. It probably represented a real increase in number of infections since there was no evidence that the mechanical factor of improved reporting operated during the year. The decrease noted during 1942 as compared with 1941 (Table VII) suggested that reporting, in fact, might have been deteriorating.

Syphilis is, by far, the most serious of the venereal diseases which occur in Canada. There is little evidence that, in Canada, any methods have been developed for dealing with the syphilis problem, which have produced substantial

progress against it. The analysis of case-holding in Ontario's clinics, which was described above, demonstrated that a great many syphilis patients failed to take sufficient treatment to remove their public health danger. It was possible that this same picture held for those patients being treated by private physicians. From the standpoint of the patient there is a possibility that no treatment at all is better than the irregular incomplete treatment which many patients evidently receive to-day. One of the greatest single public health problems, which is faced in venereal disease control to-day, is the development of a satisfactory means whereby those unfortunate people, who contract syphilis, can be handled in a manner which will protect their health and the health of the public. This problem will receive considerable attention within the Division during the coming year. Modern treatment methods, particularly for early acute infectious syphilis, are being developed which make possible more intensified treatment in a shorter period of time. That this method of treatment carries greater or less security for the ultimate health of the individual patient cannot be stated at this time in view of the short experience with it. However, when it is realized that most patients fail to complete the longer courses of treatment which are known to be protective, we must examine the potentialities of the more intensive forms of treatment. Particularly important is the fact that shorter intensive courses of treatment do protect the public health by rendering patients non-infectious, and probably in most instances protect the patient. If syphilis is to be prevented in Ontario, emphasis in treatment methods must be taken away from the individual patient's problem and placed upon the mass public health problem represented by the total group of syphilis patients. For instance, it is possible that syphilis could be reduced to a low level within this province in the short space of a decade or less, if hospital facilities were provided for the treatment of early acute cases, similar to those hospital facilities which are provided for the care of tuberculosis. Syphilis, as a disease, is ultimately more costly to the Province of Ontario than most other communicable diseases. It

TABLE VIII  
ADMISSIONS TO ONTARIO HOSPITALS FOR THE MENTALLY ILL

Showing Number Admitted with Syphilis as Diagnosis  
1928 to 1943 Inclusive

YEAR	Total Admissions (All Causes)	Admissions General Paresis Cerebral Syphilis	% Syphilis of Total Admissions
1928.....	1,602	92	5.7%
1929.....	1,853	102	5.5
1930.....	1,859	115	6.1
1931.....	1,922	138	7.1
1932.....	2,250	130	5.7
1933.....	2,198	142	6.4
1934.....	2,241	140	6.2
1935.....	837	49	5.8
1936.....	1,767	145	8.2
1937.....	2,536	124	4.9
1938.....	2,636	147	5.6
1939.....	2,612	128	4.9
1940.....	2,541	129	5.1
1941.....	2,304	125	5.4
1942.....	2,370	102	4.3
1943.....	2,259	89	3.9
Totals.....	33,787	1,897	5.6%



is reasonable, therefore, to invest equally in hospitalization for syphilis as for instance we now do for tuberculosis. The end results of syphilis to the public economy are vividly portrayed in a study of those admissions to hospitals for mentally ill, which result from syphilis damage to the brains of the patients. In Table VIII an analysis of admissions to Ontario Hospitals for the Mentally Ill during the period 1928-1943 inclusive, is given. It will be noted that during these years 5.6%—1 in 18—of total admissions resulted from syphilis infection. If these heavy costs resulting from syphilis are to be removed, effort must be concentrated upon measures which take effect long before patients develop the late damage of the disease. Effective treatment of early cases will remove this late cost. Further, since syphilis is a preventable disease, adequate employment of preventive measures will reduce the number of early cases which must be treated.

(b) *Gonorrhoea.*

There were 6,390 gonorrhoeal infections reported during 1943, as compared with 6,220 during 1942, a small increase of 160 cases. Because of inadequate reporting of gonorrhoeal infections and because many gonorrhoeal infections never come under proper medical attention, one cannot make any statement on the trend that has taken place in the incidence of this disease. This is the experience of most health departments. There was no evidence, during 1943, that the factor of improved reporting operated in Ontario. The excessive amount of gonorrhoea reflected in the above incidence for 1943, probably represented an actual increase in this disease among the population. The actual incidence of reported cases—6,390 infections—probably represented only a fraction of the true amount of gonorrhoea which appeared among Ontario's population during 1943.

There is need for a substantial revision of our methods of approaching the gonorrhoeal problem. Epidemiology at best, among gonorrhoeal patients, only reaches a very small portion of the problem. The greater share of gonorrhoea cases does not come under public health control. The tendency of male patients to take a casual attitude toward gonorrhoeal infection, particularly since results to-day with sulfonamides have reduced the discomfort of the disease, operates to interfere with sound epidemiological measures. The undetected or misdiagnosed infection in the female results in many patients not being properly treated. It would appear that the focal point in attacking the gonorrhoeal problem is the male patient. In the male the acute disease reveals itself rapidly in appearance of symptoms of urethritis. While all urethritis clinical syndromes are not gonorrhoeal, in the adult male particularly where there has been any history of promiscuity, it is probable that a large percentage are gonorrhoeal, even if we fail to find the organism which makes a gonorrhoeal diagnosis possible. It is logical to state that were no males to be infected with gonorrhoea in our population, the disease would rapidly disappear from the female population. If substantial gains are to be made against gonorrhoeal infection, it would seem important to direct increased attention to urethritis in the male, and to encourage the careful treatment of every case of male urethritis. Particularly is this view important when one keeps in mind the new developments of treatment which make it possible to cure male gonorrhoea in the space of a few days. The male population particularly must be educated to seek the simple treatment now available immediately upon the appearance of any symptoms of urethritis.

GRAPH VIII  
EPIDEMIOLOGIC INVESTIGATION OF VENEREAL DISEASE CONTACTS  
IN ONTARIO

Showing Number of Contacts Reported Quarterly  
1943

No. of Contacts

No. of Contacts

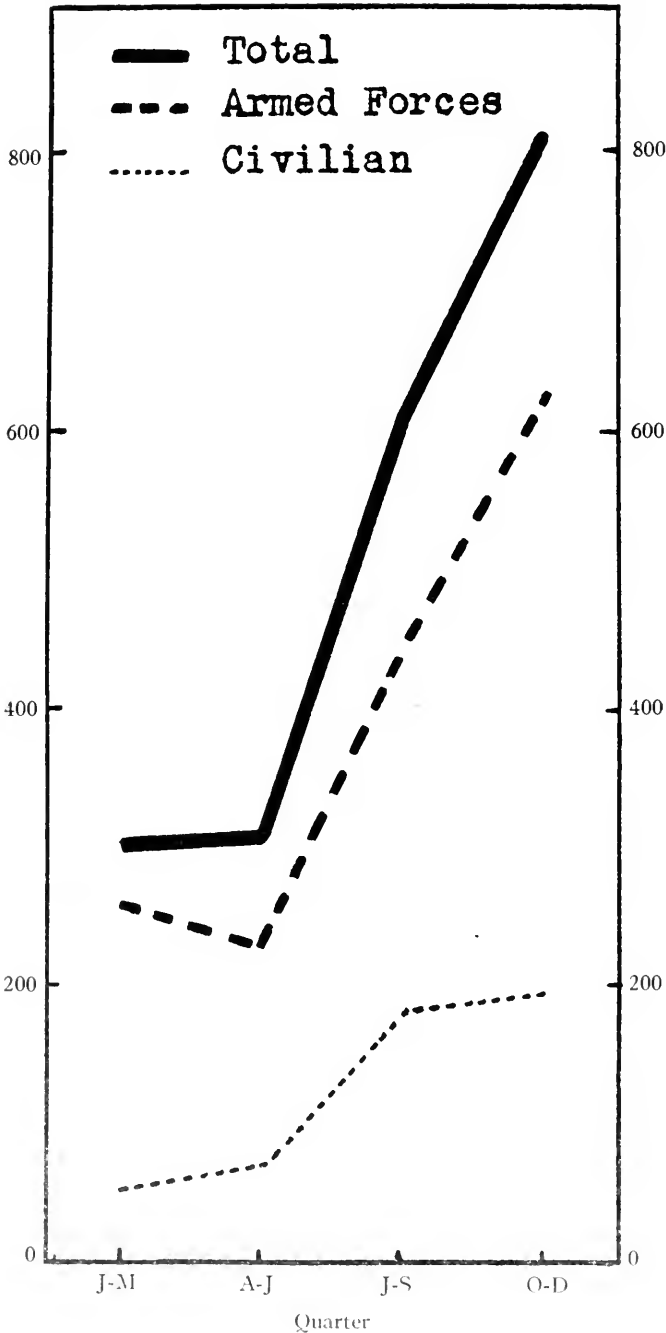


TABLE IX  
EPIDEMIOLOGIC INVESTIGATION OF VENEREAL DISEASE CONTACTS  
IN ONTARIO

Showing Number of Contacts Reported Quarterly During 1943

QUARTER	REPORTING AGENCY AND NUMBER REPORTED		
	Armed Forces	Civilian	Totals
January-March.....	256	53	309
April-June.....	235	71	306
July-September.....	436	184	620
October-December.....	615	197	812
Not Stated.....	.....	26	26
Total for 1943.....	1,542	531	2,073

## II. EPIDEMIOLOGIC INVESTIGATION

### (a) Provincial Epidemiologic Investigation.

Reporting and follow-up of contacts of cases of early syphilis and gonorrhoea became one of the major activities of the Division during 1943. An increasing number of contacts were reported to the Department as the programme of the Armed Forces became organized. One of the greatest single benefits that has occurred for venereal disease control in Ontario has been this contribution of good public health practice on the part of the Armed Forces. Graph VIII and Table IX portray the substantial increase in reports submitted by the Armed Forces during the latter half of 1943.

TABLE X  
EPIDEMIOLOGIC INVESTIGATION OF VENEREAL DISEASE CONTACTS  
IN ONTARIO

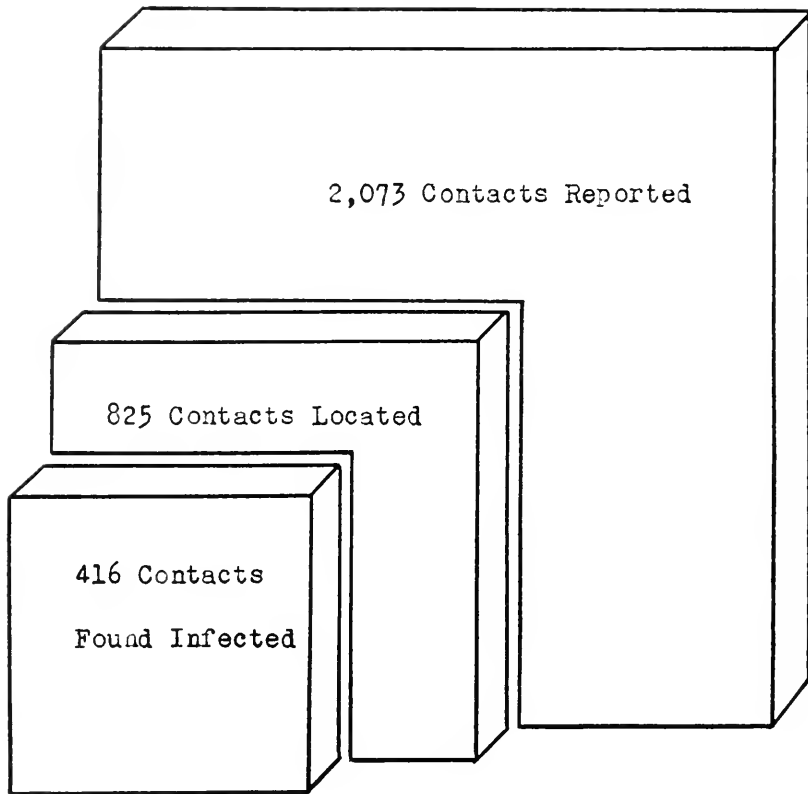
Showing Reporting Agency and Result of Investigation  
For the Year 1943

RESULTS OF INVESTIGATION	Reported by Armed Forces		Reported by Civilian Agencies		Total Contacts Reported	
	No.	% of This Group	No.	% of This Group	No.	% of Total Group
Contacts Reported.....	1,542	100%	531	100%	2,073	100%
Contacts Located.....	590	38	235	44	825	40
Contacts Infected.....	305	20	111	21	416	20

There were a total of 2,073 contacts reported to the Department of Health during 1943. These, in turn, were referred by the Department to local health authorities for investigation. Of this group of 2,073 contacts, 825, or 40%, were located. 416 were found infected with venereal disease following examination, or 20% of the total contacts investigated. These statistics are more clearly

GRAPH IX  
EPIDEMIOLOGIC INVESTIGATION OF VENEREAL DISEASE CONTACTS  
IN ONTARIO

Showing Results of Investigation  
1943



expressed in Table X and are portrayed in Graph IX. It will be evident at once that only a small portion of the total potential public health danger was brought under control. These results demonstrated the reason why epidemiology received increased emphasis within the Division. In Table X is presented a comparison of results of investigation of contacts reported by the Armed Forces and those reported by civilian agencies. A significant difference in success in locating civilian contacts as compared to Armed Forces contacts is noted, where 6% more civilian contacts were found. There was no significant difference in results of examination between these two groups. It will be noted further that the number of contacts reported by physicians of Venereal Disease Control Clinics and other civilian health agencies during the year represented only one quarter of the total contacts reported. There was evident a need for considerably more attention being paid to epidemiology among civilian treating agencies. When civilian agencies recognize their public health responsibility with venereal disease cases, they will be able to make a contribution comparable to that of the Armed Forces. Lack of co-ordination of records of epidemiological investigation within the province has created a difficulty in analysing and comparing various treatment agencies in this respect. For example, examination of Table V indicates that there were 1,420 contacts located and examined by Venereal Disease Control Clinics during 1943. The greater share

of these investigations were never specifically brought to the attention of the provincial department so that the extent to which their contribution is reflected in Table X cannot be clearly stated. This indicates the need, during 1944, for complete co-ordination of public health effort in Venereal Disease Control in Ontario.

TABLE XI  
EPIDEMIOLOGIC INVESTIGATION OF CONTACTS TO VENEREAL DISEASE  
IN ONTARIO

Showing Disease and Results of Investigation  
For the Year 1943

Disease of Patient Naming Contact	(a) No. of Contacts Investigated	(b) Located		(c) Found Infected	
		Number	% of (a)	Number	% of (b)
Syphilis.....	596	290	49%	108	36%
Gonorrhoea.....	1,477	535	35	308	56
Totals.....	2,073	825	40%	416	50%

TABLE XII  
EPIDEMIOLOGIC INVESTIGATION OF VENEREAL DISEASE CONTACTS  
IN ONTARIO

Showing Results of Investigation in 27 Ontario Communities

Community Where Investigated	(a) No. of Contacts Investigated	(b) Number Located		(c) Number Found Infected	
		Number	% of (a)	Number	% of (b)
Belleville.....	29	13	45%	5	38%
Brantford.....	25	17	68	7	41
Chatham.....	20	10	50	6	60
Fort William.....	21	12	57	4	33
Galt.....	6	4	67	4	100
Guelph.....	13	9	70	6	67
Hamilton.....	104	42	40	14	33
Kingston.....	54	39	72	26	67
Kitchener.....	16	9	56	6	67
London.....	62	30	48	9	30
Niagara Falls.....	10	2	20	1	50
North Bay.....	14	4	28	2	50
Oshawa.....	15	5	33	1	20
Ottawa.....	183	73	40	35	48
Owen Sound.....	29	17	59	13	76
Peterborough.....	20	11	55	7	64
Port Arthur.....	15	5	33	3	60
Sarnia.....	10	3	30	...	...
Sault Ste. Marie.....	7	4	59	2	50
Stratford.....	4	3	75	1	33
Sudbury.....	36	14	38	10	71
St. Catharines.....	14	4	28	3	75
St. Thomas.....	10	9	90	6	67
Toronto.....	657	252	36	136	57
Welland.....	12	6	50	5	83
Windsor.....	56	23	40	10	43
Woodstock.....	5	2	40	1	50
Totals.....	1,447	622	43%	323	52%

In Table XI a comparison is made between the results of epidemiologic investigation of syphilis contacts and gonorrhoeal contacts. It will be noted that a substantially greater percentage of syphilis contacts could be located than gonorrhoeal contacts, whereas fewer of the syphilis contacts were found infected than gonorrhoeal contacts. The length of the incubation period of syphilis probably explained the element of error in locating the person actually infected, since opportunity presented for multiple contacts, only one of whom may have been the infected individual. With gonorrhoea a much shorter incubation period removes the likelihood, to a very great degree, of multiple exposures. These factors probably operated to produce the results of examination of those persons located, indicated in Table XI. The fact that a greater number of syphilis contacts were located probably reflected more serious effort made to determine the identity of syphilis contacts than with gonorrhoeal contacts since practically, with the short incubation period of gonorrhoea as compared with syphilis, location of contacts should be much easier.

Some attention was given to analysing results of investigation in various communities in Ontario to whom reports were submitted for attention.

In Table XII a comparative picture of 27 different Ontario Communities is given. A wide range of results is seen on examination of this table. Here again one hesitates to come to any conclusion since lack of co-ordination of venereal disease epidemiological records in the province makes any judgment difficult. The table is, however, presented so that communities might examine their efforts for a comparison with other communities. During 1944 much more careful analysis is planned so that a presentation of this type may be more reliable.

Very little attention was paid, during 1943, to the factor of facilitation in the spread of venereal disease in the Province of Ontario. By facilitation we mean those unwholesome, unsavoury community conditions which make it easy for a healthy person to have an exposure to an infected person. Examples of facilitation include prostitution, either in a bawdy house or in its other forms; the careless operation of certain hotels, certain restaurants, and other types of premises which bring young people into unwholesome association with sources of venereal disease. This phase of venereal disease control is receiving increasing attention in all modern control programmes.

## EDUCATION

Where venereal disease is the greatest single public health problem existing in Ontario to-day, education of the public on the facts of venereal disease is the greatest single public health job to be done to-day. In the latter part of the year with reorganization, education was assigned greater importance in the programme and substantial efforts in this field are planned for 1944.

DIVISION OF MATERNAL AND CHILD HYGIENE AND  
PUBLIC HEALTH NURSING

J. T. PHAIR, M.B., D.P.H., *Director*

It has long been conceded that the death rates of mothers and infants is a sensitive index of public health effort. While it was anticipated that with the markedly increased employment of women, war marriages and larger movement of population with the consequent strains on local facilities, maternal and infant death rates would have increased, it is particularly encouraging to report new all-time low records. The maternal death rate for 1942 (the last available figure) was 2.6 per 1,000 living births and the infant-death rate for the same year was 40 per 1,000 living births.

The rather striking reduction in deaths among pregnant women is undoubtedly due in part to the adoption of the revision of International listing of causes of deaths which now separates those deaths in which pregnancy was only a possible contributant from those in which it was the responsible factor. But even taking into consideration this justifiable change in statistical procedure favourable progress has been made. Two hundred women in Ontario died from causes directly due to pregnancy and childbirth and a further group of fifty-three died from extra-puerperal causes but in whom pregnancy was an associated incident. The causes of death of the two hundred women are listed as follows:

Abortion, with infection . . . . .	34
Abortion, without mention of infection . . . . .	9
Ectopic gestation . . . . .	10
Hemorrhage prior to delivery . . . . .	1
Hemorrhage after delivery . . . . .	27
Toxaemia, death prior to delivery . . . . .	18
Toxaemia, death after delivery . . . . .	31
Infection, septicaemia . . . . .	40
Other diseases and accidents of pregnancy . . . . .	2
Other accidents of childbirth . . . . .	22
Other and unspecified causes . . . . .	6

Of the three main causes of death which are usually to be considered preventable, namely, infection, hemorrhage and toxaemia, the toxaemias again take the lead accounting for approximately 25% of the deaths. This is the same proportion from this cause as for the previous year and is not commensurate with the progress in other fields. While some workers are very insistent that maternal nutrition has a great bearing on the incidence of the toxaemias it would seem imperative to continue to stress, as a prophylactic measure, the value of adequate prenatal care until such time as further well-controlled investigation is able to determine the etiological significance of the various factors contributing to this condition. The deaths from septicaemia have substantially declined from previous years, forty women died from this cause in 1942. This decline, no doubt reflects the more experienced use of chemotherapy and with the recent advances in this field we are optimistic of further control of the streptococcal infections. Hemorrhage still plays a prominent role among the causes of deaths in pregnant women and has shown little change, in fact there has been a slight increase (14% of the deaths were from this cause). Undoubtedly some of these could have been prevented if intelligent watchfulness on the part of the patient during the entire period of pregnancy had been experienced, also if better facilities for emergency care were available, the latter including provision for the prompt administration of blood and blood substitutes.

The infant mortality rate of 40 per 1,000 living births is consistent with the steady decline over recent years. A continuation of this favourable trend is the objective of all those associated with this aspect of the public health programme, but in view of the fact that the percentage of deaths under one month of age has not kept pace with those occurring in the other eleven months of infancy, it would appear that no further substantial fall in the infant death rate can be expected until those factors which are responsible for premature birth, malformations, birth injury and other diseases peculiar to early infancy are controlled. A review of the available data shows that over 60% of those dying in the first year of life died under one month of age, with premature birth being listed as the cause in 26% of all infant deaths and malformations in 18%. While this loss of life has come to be accepted as unavoidable there is some evidence that the situation may improve with the increasing knowledge of toxic conditions and the states of pregnancy tending to produce abnormal developments. The previously mentioned work on nutrition appears to indicate that the foetus is even more profoundly affected by poor nutrition than is the mother. These observations, coupled with the success achieved with the more widespread use of prothrombin thereapy for certain conditions of the newborn and the potentials latent in the discovery of the Rh factor, throw an encouraging light on the future. Infection was noted as the cause of death in 6% of all infants under one year of age and respiratory disease in 13%. It would seem reasonable to stress the importance of all agencies interested in maternal and child health studying currently the vital statistics of their municipality, particularly in areas which have experienced explosive increases in population, in order to be assured of the applicability of the local approach to these problems.

With a view to the better integration of infant and child hygiene an increased number of municipalities with organized health services have carried on medical examinations of pre-school children in the past year. This Division gave assistance to the local agencies in eight such municipalities at the request of the Medical Officer of Health.

The revision of the Department-sponsored publication on maternal and child hygiene, *THE BABY*, was carried out during the year. This booklet apparently has lost none of its popularity with the parents of the province and we have had repeated requests for its distribution among the wives of Ontario soldiers in both Newfoundland and the British Isles. An attempt has been made to meet this demand.

The medical examination of all students seeking admission to one or other of the nine teacher-training schools of the Province was again carried on. This programme is a co-operative effort of the Departments of Health and Education, the direction of which is assumed by the Division. Despite the fact that this activity has been in effect for the last nine years the findings of the physicians carrying out these examinations continue to reflect the necessity for more emphasis being placed on the health needs of the secondary school age group. It is hoped that when medical men are more readily available it will be possible to meet this obvious need.

## PUBLIC HEALTH NURSING

### ANNUAL REPORT, 1943

Searching for qualified personnel and attempting to meet the requests of counties and municipalities for information with respect to the establishment of health services through correspondence and visits were major activities throughout the year. Qualified public health nurses were needed to staff new services



and to replace nurses who had joined the armed forces or had resigned for other reasons.

The Boards of Health of Chatham, Galt and Brampton reorganized their nursing services in order to provide generalized programmes, while in Sarnia and Stratford the post of Senior Nurse was established.

The Lincoln County School Medical Inspection Committee organized a third unit which began operation September first.

The number of secondary schools having a Health Service has increased considerably during the year.

The Boards of Health of the Townships of Pickering in Ontario County and Waterloo in Waterloo County have established generalized public health nursing services. In each township the service is given by one public health nurse.

Miss Mary Thom, B.A., Senior Public Health Nurse with the Galt Board of Health, was chosen by the Rockefeller Foundation to take part in an important demonstration at Kingston, Jamaica.

Miss Pennock returned from leave of absence February 1st, having successfully completed the course in Administration and Supervision in Public Health Nursing at McGill University School for Graduate Nurses. She assisted with a province-wide survey of public health personnel during February.

Beginning March 1st a staff nurse was assigned to duty in the First Aid Room. Assistance was provided on occasions for the X-ray survey, Division of Industrial Hygiene. Nursing Service was given in connection with the X-ray survey of teachers.

Considerable time was given by three staff members to the nursing section of the survey relating to the Toronto Department of Health.

At the request of the Director, Ontario Farm Service Force, arrangements were made for a public health nurse to remain in one of the camps for a brief period.

In July three public health nurses, Edna Clancy, Pearl Stiver and Mrs Frances Young, were taken on the staff of the Division of Venereal Disease Control for work in the field of epidemiology, and in August Miss Sarah Wallace was appointed Consultant in Industrial Nursing in the Division of Industrial Hygiene.

In September, at the request of the Brantford Board of Health, a survey of the public health nursing services in that city was undertaken.

In connection with pre-admission examination of applicants for the teacher training institutions in September four public health nurses were secured to assist members of our staff for one week.

In late September the occurrence of anterior poliomyelitis in a part of the Province made it necessary to send a supervisor and four staff nurses to the area for fifteen days. One nurse was engaged on a temporary basis for this period.

The demonstration of public health nursing service in a portion of Muskoka District was continued until October. Due to illness of staff it was necessary to engage an additional nurse (Miss Helen B. Gardner) in order to carry on this work during the winter and spring.

Service in the Temiskaming District continued without change.

The Ontario Society for Crippled Children in November appointed a third public health nurse to their staff. These nurses who have special preparation in

orthopaedic nursing visit a considerable area of the Province where their services as consultants are available to the local public health nurses. They give direct supervision to orthopaedic cases in centres where no public health nursing service exists.

With the lessening of Civilian Defence activities toward the close of the year the duties of the Nurse Consultant were reduced to a minimum.

In the course of their routine work the supervisors spent 564 days in ninety (90) centres; sixteen centres were visited twice. Forty-six newly appointed nurses received help in organizing their work. In addition twenty-four days were occupied in assisting with the examinations of Normal School applicants. Considerable time was devoted to the surveys in Toronto and Brantford.

The Chief Public Health Nurse made twenty-five field trips, met at their request eight committees to discuss the organization of County School Health Services and four Boards of Health regarding the establishment or reorganization of public health nursing service, addressed seventeen meetings (attendance 1,554) and attended numerous committee meetings. Activities in connection with the surveys in Toronto and Brantford were extensive. The number of office interviews and the volume of correspondence were increased markedly.

As in former years local Health organizations co-operated with the Universities in providing field practice for graduate and under-graduate students of public health nursing. This year the number of students was larger than in any previous year.

Visitors to the office during the year were: Dr. David Sevlever, Santa Fe, Argentina; Miss Mary Elizabeth Tennant, R.N., Fellowship Advisor, International Health Division, Rockefeller Foundation; Miss Hedwig Toelle, Associate Professor of Nursing, Yale University; Miss Marie Swanson, Director of Nursing, New York State Department of Education; Miss Miriam Ames, Instructor and Supervisor of Public Health Nursing, Johns Hopkins School of Nursing; Misses Syretha Squires and Daphne Pratt, Commission of Health, Newfoundland; Miss Anna Fillmore, Supervisor of Industrial Nursing, Henry Street Visiting Nursing Association, New York City; Miss Marion Howell, Professor of Nursing, Western Reserve University, Cleveland; Miss Gertrude Hall, Director, Division of Nursing, Winnipeg Department of Health; Miss Madeline McCulla, Department of Health, Alberta; Miss Mildred Struve, Instructor, Johns Hopkins School of Nursing, and Miss Elizabeth Russell, Director of Nursing, Manitoba Department of Health and Public Welfare.

Because of numerous interruptions the work of the staff during 1943 was more difficult than usual and the splendid spirit with which the necessary adjustments were accepted is to be commended.

## DIVISION OF TUBERCULOSIS PREVENTION

G. C. BRINK, M.B., *Director*

The primary objective of any tuberculosis control programme is to reduce the number of persons suffering from the disease by modern methods of prevention and treatment, believing that with adequate facilities available the ultimate results will be that the number of persons dying from tuberculosis will be decreased to what might be termed the "irreducible minimum."

Up until two or three years ago those engaged in tuberculosis work followed more or less what could be described as orthodox principles in respect to the discovery and treatment of tuberculous persons. Clinics, both stationary and travelling, had referred to them by the local Medical Officers of Health, physicians and Public Health Nurses, known or suspected cases of tuberculosis and their contacts. It has been thought, and so stated during the last twenty years, that a certain number of sanatorium beds in ratio to tuberculosis deaths were required; the number varying from 1-1 to 3-1.

It is apparent to all who give any study to the problem that the above mentioned principles in respect to diagnosis and treatment are not sufficient to satisfactorily control the disease. This is very evident when it is appreciated that only 15% of persons entering sanatorium have the disease in the minimum stage. The number of sanatorium beds required has no relation to the number of deaths, but is governed entirely by the number of persons found to be suffering from tuberculosis and who require isolation and special treatment which can only be secured in a well-conducted sanatorium. The more and better diagnostic facilities available the more sanatorium beds will be required.

The number of deaths attributable to tuberculosis rose from 1,011, in 1940<sup>7</sup> to 1,100, in 1941, and the tuberculosis mortality rate from 26.8 to 29.0 per 100,000 population. In 1942 the number of tuberculosis deaths decreased to 1,093 and the rate from 29.0 to 28.6. Preliminary figures for 1943 show there has been no appreciable increase in the number of deaths over 1942.

The longer hours of employment, the crowded living conditions, and the rationing of food (not significant) have as yet only slightly affected adversely the tuberculosis mortality rate. However, with the increase in persons awaiting admission to sanatorium and the increase in the number of individuals being discovered with active tuberculosis by mass surveys, and the number of soldiers being discharged because of tuberculosis, the situation calls for the greatest offensive and defensive efforts possible with the shortage of personnel. Otherwise the continuation of war conditions must inevitably cause an increase in the incidence and mortality from this controllable communicable disease.

Among the greatest offensive efforts is increase in all clinic services, both municipal, sanatorium and departmental. All clinics are overworked and, in some appointments, are at least six weeks to two months behind. It is apparent that in some areas more frequent clinics are indicated. Evening clinics permit some people to attend who otherwise would have difficulty in doing so.

All clinics should be provided with adequate X-ray facilities. Unless films are made readily available for all patients the control of tuberculosis will be inhibited. Payment for the films should be made out of public funds. The unfortunate person who has contracted, or been in contact with the disease, should not be requested or required to present himself for examination and then

be asked to pay the X-ray fee. In other words, protection of the public should not be at the expense of persons affected or individuals suspected of having the disease.

Among the greatest defensive efforts is provision for adequate sanatorium beds; no case should be left in the home until given a term of sanatorium treatment and education. At the end of the year there were approximately two hundred patients on the waiting lists of the thirteen sanatoria and another hundred known cases, that if beds were available, would be benefited by sanatorium care. Because of inadequate staff, especially nurses, over one hundred beds were closed. Taking Ontario as a whole it is estimated that within one year at least 350 to 400 additional beds will be required.

Because of mass surveys by the use of miniature X-ray films the number of people being examined by the Departmental clinics increased from 45,853, in 1942, to 92,573 in 1943.

Probably the highlight of the Division's activities in 1943 was the visit in July of some of the staff to Moose Factory, James Bay, one of the oldest settlements in the province, when 766 Cree Indians, 135 half-breeds, and 57 whites were examined and each given an X-ray film of the lungs. Of the Indian children attending the Residential School, 90% were reactors to tuberculin; of the total examined, adults and children, 5% had active pulmonary tuberculosis and were recommended for either sanatorium or hospital treatment. The percentage under institutional treatment, within three months, was 79%.

Every co-operation was given by the Indian Affairs Branch, Church of England Mission School Staff and the Hudson's Bay Company.

In September a survey of some 30,000 Federal Civil Servants residing in Ottawa, was begun. The findings on the first 16,000 are included in this Report.

In November a survey of all school teachers in the province was commenced. It will not be concluded until June of 1944.

The control programme in Ontario is at present retarded by an acute shortage of trained physicians, public health nurses and sanatorium personnel. However, plans have been prepared for a markedly increased effort in the post-war period.

## PART I

### REPORT OF THE WORK DONE BY THE TRAVELLING CHEST CLINICS

The work of the Chest Clinics has continued with shortage of staff. Three of the clinics have no physicians; the Fort William and North Bay units have operated with technicians only and the Toronto unit did not operate except for two clinics.

*Toronto Unit*—2 clinics in 2 centres:

Flesherton and Moosonee.

*Timmins Unit*—22 clinics in 10 centres.

Timmins 12 clinics; 2 visits to Hearst and one to each of the following— Iroquois Falls, Cochrane, Englehart, Kapuskasing, Moonbeam, Smooth Rock Falls, New Liskeard and Connaught. In addition this unit took 1,218 films for four clinics in Kirkland Lake; X-rayed 254 school teachers; conducted school surveys in Timmins area (718 X-rays and 2,000 tuberculin tests), and examined 23 Veteran Guards for the Provincial Police.

*Belleville Unit*—31 clinics in 18 centres:

Belleville 11 clinics; Peterborough 3 visits; Brockville 2 visits; and one in each of the following—Gananoque, Port Hope, Picton, Stirling, Marmora, Napanee, Tweed, Hastings, Madoc, Campbellford, Havelock, Bancroft, Haliburton, Cobourg and Apsley

*Ottawa Unit*—32 clinics in 15 centres:

Ottawa 11 clinics; Prescott 2 visits; Perth 2 visits; Hawkesbury 2 visits; Smith Falls 2 visits; Renfrew 2 visits; Pembroke 2 visits; and one visit to each of the following—Almonte, Arnprior, Eganville, Kemptville, Plantagenet, Casselman, Rockland and Bourget.

\**Fort William Unit*—26 clinics in 13 centres:

(a) Fort William (small clinics), Kenora 3 visits; Fort Frances 2 visits; Emo 2 visits; Rainy River 2 visits; Dryden 2 visits; and one visit to each of the following—Moberg, Heron Bay, Nipigon, Geraldton, Whitefish Bay and Sioux Lookout.

(b) One clinic in a lumber camp.

(c) Surveys of Indian Schools—St. Mary's School, Kenora (twice); Cecilia Jeffrey School, Kenora (twice); St. Joseph's Boarding School, Fort William; Pelican Lake School, Sioux Lookout; St. Mary's School, Fort Frances.

\**North Bay Unit*—36 clinics in 20 centres:

(a) North Bay 12 clinics; Sudbury 2 visits; Sault Ste. Marie 2 visits; Sturgeon Falls 2 visits; Mattawa 2 visits; and one visit to each of the following—Chapleau, Parry Sound, Bracebridge, Huntsville, Burk's Falls, Manitowaning, Little Current, Killarney, Gore Bay, Richard's Landing, Thessalon, Blind River, Massey, Espanola.

(b) Surveys of two Indian schools at Spanish and Chapleau.

In addition X-rays were taken on 753 teachers.

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\*Histories were obtained by the technician and nurse. Films were interpreted in the Central Office.

TABLE I  
SUMMARY OF WORK OF TRAVELLING CLINICS

FINDINGS	Examina- tions	Toronto	Ottawa	Belle- ville	Tim- mins	Fort William	North Bay	Totals
1. Pulmonary Tuberculosis.....	First Repeat	98 7	101 272	131 399	79 314	29 143	124 433	562 1568— 2130
(a) Active.....	First Repeat	46 0	34 32	35 26	21 29	8 19	46 33	190 139— 329
Inactive.....	First Repeat	52 7	67 240	96 373	58 284	21 124	78 400	372 1428— 1800
(b) Newly Discovered.....	First Repeat	88 0	62 39	67 64	34 45	21 8	64 60	336 226 85— 421
Already Known.....	First Repeat	10 7	27 245	64 390	45 303	8 125	60 413	226 1483— 1709
(c) Childhood (Primary Infection)	First Repeat	31 0	4 6	6 18	4 28	12 25	10 20	67 97— 164
Minimal.....	First Repeat	45 4	47 167	66 194	44 115	11 73	58 208	271 761— 1032
Moderately Advanced.....	First Repeat	16 3	40 90	35 124	20 126	4 32	48 178	163 553— 716
Far Advanced.....	First Repeat	6 0	10 9	24 63	11 44	2 13	5 37	58 166— 224
2. Extra-Pulmonary Tuberculosis.....	First Repeat	5 0	0 1	0 2	1 4	0 4	1 1	7 12— 19
3. Suspected Tuberculosis.....	First Repeat	11 0	6 9	9 10	15 25	5 3	5 2	51 49— 100
4. Non-Tuberculous Disease.....	First Repeat	17 1	60 59	163 82	33 25	25 27	62 39	360 233— 593
5. No Disease.....	First Repeat	851 10	1009 726	1930 848	2406 773	605 835	1714 1048	8515 4240—12755
6. Recommended for Sanatorium.....	First Repeat	37 0	33 23	32 19	16 19	7 15	31 25	156 101— 257
7. Number of Individuals Examined.....		1000	2243	3269	3575	1419	3221	.....—14727
8. Pneumothorax Refills Given.....		0	0	871	620	0	0	.....— 1491
9. Totals.....	First Repeat	982 18	1176 1067	2233 1341	2534 1140	664 1012	1903 1523	9492 6101—15593
10. Total Number of Examinations.....		1000	2243	3574	3674	1676	3426	15593

## SUMMARY OF NEWLY DISCOVERED CASES—TOTAL 421

1. 421 new cases of tuberculosis were found.
2. 336 or 79.8% were found on first examination and 85 or 20.2% on repeat examination.
3. 243 or 57.7% gave a history of contact with tuberculosis; 78 or 42.3% gave no history of contact.
4. 176 or 41.8% were recommended for sanatorium; of these 61 or 34.6% did not realize they were ill, as follows:
 

Childhood (Primary Infection).....	3
Minimal.....	40
Moderately Advanced.....	11
Far Advanced.....	7
	61
5. Of the 243 giving a history of contact 92 or 37.8% attended the clinic because of contact only and with no symptoms referable to the chest.
6. 218 or 51.8% were classed as active; 203 or 48.2% were classed as inactive.

TABLE II

TABLE SHOWING RELATION OF NUMBER OF NEW CASES OF TUBERCULOSIS DISCOVERED TO NUMBER OF CONTACTS EXAMINED

AGE GROUPS	Number Contacts Examined for First Time	Number Cases of Tuberculosis Discovered (Primary Infection Type not included)	Percentage of Contacts Examined Showing Disease %	Number Cases of Active Tuberculosis Discovered (Primary Infection Type not included)	Percentage of Contacts Examined Showing Active Disease %
0 to 4	323	2	.6	2	.6
5 to 9	604	8	1.3	8	1.3
10 to 14	613	7	1.1	7	1.1
15 to 19	444	14	3.1	8	1.9
20 to 24	385	15	3.9	9	2.4
25 to 29	334	9	2.7	4	1.2
30 to 39	541	28	5.2	11	2.0
40 to 49	354	23	6.5	4	1.1
50 to 59	226	22	9.8	3	1.3
60 to 69	117	13	11.1	4	3.4
70 and over	66	3	4.5	3	4.5
Totals	4,007	144	3.6	63	1.5

TABLE III  
CLASSIFICATION OF NEWLY DISCOVERED CASES

CLASSIFICATION	Number	Percentage of Total %	Percentage of Number with re-infection (Adult) Type of Disease %
Pulmonary Tuberculosis:			
Childhood (Primary Infection) . . . . .	68	16.1	....
Minimal . . . . .	222	52.7	63.9
Moderately Advanced . . . . .	84	19.9	24.2
Far Advanced . . . . .	41	9.9	11.9
Extra-Pulmonary Tuberculosis . . . . .	6	1.4	....
TOTAL . . . . .	421	100.0	100.0

SUMMARY OF CASES RECOMMENDED FOR SANATORIUM

- 257 cases were recommended for sanatorium.
- 156 or 60.7% were recommended on first examination and 101 or 39.3% on repeat examination.
- 89 did not realize they were ill, as follows:

Childhood (Primary Infection) . . . . .	4
Minimal . . . . .	46
Moderately Advanced . . . . .	28
Far Advanced . . . . .	11
	89

TABLE IV  
CLASSIFICATION OF CASES RECOMMENDED FOR SANATORIUM TREATMENT

CLASSIFICATION	Number	Percentage of Total %	Percentage of Number with Adult (re-infection) Type of Disease %
Pulmonary Tuberculosis—			
Childhood (Primary Infection) . . . . .	12	4.7	....
Minimal . . . . .	82	31.9	34.0
Moderately Advanced . . . . .	94	36.5	39.0
Far Advanced . . . . .	62	24.1	27.0
Extra-Pulmonary Tuberculosis	3	1.2	....
Pleurisy with Effusion . . . . .	2	.8	....
Suspects . . . . .	2	.8	....
TOTAL . . . . .	257	100.0	100.0





TABLE V  
CLASSIFICATION (on last examination) OF PERSONS WHO HAD RECEIVED SANATORIUM TREATMENT—TOTAL 836

Age Groups	Sex	No Tuberculous Disease	Primary Infection		Minimal		Moderately Advanced		Far Advanced		Extra Pulmonary		Thickened Pleura	Bronchitis	Lung Abscess	Silicosis	Non Tuberculous Infection	Fungus Infection
			Active	Inactive	Active	Inactive	Active	Inactive	Active	Inactive	Active	Inactive						
50 to 59	M	1	..	..	..	15	1	23	1	7	..	..	1	..	..	1	..	..
	F	1	..	..	..	1	..	10	1	2	..	..	1	..	..	..	..	..
60 to 69	M	1	..	..	..	1	..	7	..	6	..	..	..	..	..	1	..	..
	F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
70 and Over	M	..	..	..	..	2	1	1	..	1	..	..	..	..	..	..	..	..
	F	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	..	69	..	12	9	269	14	328	16	95	..	3	13	2	2	4	1	1

REMARKS ON TABLE V

1. 836 Persons who had received treatment in Sanatorium attended the clinics.
2. In 69 or 8.2% the disease by X-ray had cleared or become so well healed that it was not considered a factor at the present time.
3. In the 744 with tuberculous disease still evident 39 or 5.2% were considered to be active and in need of further sanatorium treatment; 807 were considered to have inactive disease.

TABLE VI  
 CHANGES IN DIAGNOSIS ON REPEAT EXAMINATIONS  
 DIAGNOSIS AT CLINIC EXAMINATION—1943

	Totals	No change	No Disease	Suspects	Childhood (Primary Infection)		Minimal		Moderately Advanced		Far Advanced		Extra Pulmonary Tuberculosis	Thickened Pleura	Pleurisy with Effusion	Lung Abscess	New Growth	Other Non-Tuberculous Chest Conditions
					Active	Inactive	Active	Inactive	Active	Inactive	Active	Inactive						
No Disease....	4224	4150	..	5	2	1	8	20	7	1	2	2	1	2	1	..	..	22
Suspects.....	67	44	8	..	..	..	4	9	1	1	..	..	..	..	..	..	..	..
Active.....	13	3	3	..	..	5	1	1	..	..	..	..	..	..	..	..	..	..
Childhood (Primary Infection) Inactive....	108	85	20	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..
Active.....	77	35	7	..	..	..	..	28	1	4	..	1	..	..	..	..	..	1
Minimal Inactive....	658	622	13	..	..	1	7	..	7	5	2	..	..	..	..	..	..	1
Active.....	51	25	..	..	..	..	..	2	..	19	3	2	..	..	..	..	..	..
Moderately Advanced Inactive....	483	464	1	..	..	..	..	8	6	..	3	2	..	..	..	..	..	..
Active.....	24	10	..	..	..	..	..	..	1	5	..	7	..	..	..	1	..	..
Far Advanced Inactive....	137	124	..	..	..	..	..	..	..	5	8	..	..	..	..	..	..	..
Thick. Pleura...	83	71	9	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1
Pleurisy with Effusion.....	16	11	2	..	..	..	1	1	..	..	..	..	1	..	..	..	..	..
New Growth....	1	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Other Non-Tbc. Chest Conditions	118	91	25	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
	.....	.....	88	5	2	7	22	72	25	40	18	14	1	3	1	2	1	25

PREVIOUS DIAGNOSIS

## REMARKS ON TABLE VI

1. Of 4,224 persons examined by our Travelling Clinics in some previous year and classified as having no disease, 45 or 1.0% developed some form of tuberculous disease.
2. Of 67 persons examined by our Travelling Clinics in some previous year and classified as suspects, 15 or 22.4% developed some type of tuberculous disease.
3. Of 1,278 persons examined by our Travelling Clinics in some previous year and classified as having inactive, re-infection type of disease, 33 or 2.6% had become reactivated.
4. Of 121 persons examined by our Travelling Clinics in some previous year and classified as having childhood (Primary infection) type of disease, only 5 or 4.1% had developed reinfection type of pulmonary tuberculosis.
5. Of 735 persons examined by our Travelling Clinics in some previous year and classified as having minimal disease, in only 20 or 2.7% had the disease extended.
6. Of 483 persons examined by our Travelling Clinics in some previous year and classified as moderately advanced, inactive disease, 9 or 1.9% had become active.
7. Of 137 persons examined by our Travelling Clinics in some previous year and classified as having far advanced, inactive disease, 8 or 5.9% had become active.
8. The above findings stress the value of re-examination of persons classified as having inactive pulmonary tuberculosis.

TABLE VII  
CLASSIFICATION OF NON-TUBERCULOUS CHEST CONDITIONS  
(Excluding Pleurisy)

CLASSIFICATION	First Examination	Repeat Examination	Total Examinations
Pneumonia.....	76	24	100
Chronic Bronchitis.....	43	19	62
Heart Disease.....	44	17	61
Bronchiectasis.....	21	28	49
Asthma.....	34	9	43
Silicosis.....	5	16	21
Febrosis of Lung.....	6	8	14
Cancer (provisional diagnosis).....	6	8	14
Lung Abscess.....	2	3	5
Spontaneous Pneumothorax.....	2	2	4
Atelectasis.....	3	1	4
Emphysema.....	2	2	4
Fungus Infection (provisional diagnosis).....	...	3	3
Empyema (non-tuberculous).....	...	2	2
Substernal Goitre.....	1	...	1
Dextrocardia.....	1	...	1
Non-tuberculous Infections or Undiagnosed Conditions.....	23	7	30
Totals.....	269	149	418

### CLINIC WORK AMONG TREATY INDIANS

Examinations were carried out as follows:

(a) Surveys of Indian Schools.....	617
(b) Survey of Indians at Moose Factory.....	766
(c) Referred to clinics in various centres.....	791
	2,174

TABLE VIII

Result of Clinic Examinations of Treaty Indians—

Number of cases of Active Tuberculosis.....	81
Number of cases of Inactive Tuberculosis.....	146
Number of newly discovered cases of Tuberculosis.....	134
(a) Active.....	70
(b) Inactive.....	64
Number of cases recommended for Sanatorium.....	77

TABLE IX  
SUMMARY OF MOOSE FACTORY SURVEY

	Number	Percentage
1. Total number X-rayed.....	766	.....
2. Number with no disease.....	650	84.8
3. Number suspects.....	9	1.1
4. Number with non-tuberculous chest conditions.....	1	.1
5. Number with healed primary infection.....	36	4.7
6. Number with non-pulmonary tuberculosis.....	2	.2
7. Number with pulmonary tuberculosis.....	67	8.7
(a) Childhood (primary infection) Active.....	13	.....
Inactive.....	0	.....
(b) Minimal Active.....	12	.....
Inactive.....	25	.....
(c) Moderately Advanced Active.....	6	.....
Inactive.....	6	.....
(d) Far Advanced Active.....	4	.....
Inactive.....	0	.....
(e) Tuberculous bronchitis.....	2	.....
8. Total number active cases of tuberculosis.....	39	5.1 (of total X-rays)
(a) Childhood (primary infection).....	13	33.3
(b) Minimal.....	12	30.8
(c) Moderately advanced.....	6	15.4
(d) Far advanced.....	4	10.2
(e) Tuberculous Bronchitis.....	2	5.1
(f) Extra pulmonary tuberculosis.....	2	5.1

TABLE X

## MOOSE FACTORY X-RAY SURVEY—JULY 1943

1. Total number X-rayed.....	958
2. Number with no abnormal shadows.....	826—86.0%
3. Number classified as pulmonary tuberculosis suspects.....	10—1.0%
4. Number with pulmonary tuberculosis.....	80—8.3%
5. Number with extra pulmonary tuberculosis (lupus).....	1—.1%
6. Number with evidence of previous healed primary infection.....	40—4.1%
7. Number with other conditions (new growth).....	1—.1%

## CLASSIFICATION OF TUBERCULOUS CASES 81—8.4%

	Childhood Type	Minimal	Moderately Advanced	Far Advanced	Tuberculous Bronchitis	Non Pulmonary Tuberculosis	Total
8. Active	19	13	7	4	2	1	46
Inactive	..	29	6	..	..	..	35
	19	42	13	4	2	1	81
9. Active cases found—46—56.8% of tuberculous cases found. 4.8% of total number X-rayed. 48 per 1000.							
10. Active cases found—46	1. Childhood Type.....	19—41.3%					
	2. Minimal.....	13—28.2%					
	3. Moderately Advanced.....	7—15.2%					
	4. Far Advanced.....	4—8.7%					
	5. Tuberculous Bronchitis.....	2—4.3%					
	6. Non Pulmonary Tuberculosis.....	1—2.1%					

TABLE XI  
COMPARISON OF FINDINGS IN TWO X-RAY SURVEYS

	MOOSE FACTORY (Indians and Half Breeds)	GERALDTON (Whites)
1. Percentage with no abnormal shadows.....	86.0%	93.1%
2. Percentage classified as pulmonary tuberculosis suspects.....	1.0%	.3%
3. Percentage with pulmonary tuberculosis.....	8.3%	1.9%
4. Percentage with extra pulmonary tuberculosis....	.1%	.....
5. Percentage previous healed primary infection.....	4.1%	1.2%
6. Percentage previous healed pleurisy.....	.....	1.1%
7. Percentage with non-tuberculous condition.....	.1%	2.1%
8. Percentage with active tuberculosis.....	4.8%	.3%
Active tuberculosis per 1,000.....	48	3
9. Percentage of active cases of tuberculosis in relation to total number of cases of tuberculosis found.....	56.8%	15.4%
10. Percentage of inactive cases of tuberculosis.....	3.5%	1.6%
11. Percentage of inactive cases of tuberculosis in rela- tion to total number of cases of tuberculosis found.....	43.2%	84.6%

TABLE XII  
MOOSE FACTORY X-RAY SURVEY—JULY, 1943

BAND	Total in Band	No. X-rayed	% X-rayed	No. Disease	Tuber- culosis Sus- pects	Primary Infection		Minimal		Moderately Advanced		Far Advanced		Non Pul- monary Tuber- culosis	Tuber- culosis From Bron- chitis	New Growth	Sana- torium Ad- vised	Hos- pital Ad- vised	Mis- sion School	Total Active Tuber- culosis	Percent Active Tuber- culosis
						Ac- tive	Inac- tive	Ac- tive	Inac- tive	Ac- tive	Inac- tive	Ac- tive	Inac- tive								
Albany.....	781	309	40.0	263	3	4	11	5	10	4	2	3	..	2	1	1	13	6	..	19	6.1
Moose.....	412	256	63.3	223	2	2	12	3	10	1	2	..	..	..	1	..	4	2	1	7	2.6
Attawapiskat.....	630	91	14.4	73	3	2	5	1	5	1	..	1	..	..	..	..	4	1	..	5	5.4
Rupert House.....	..	62	..	52	..	2	5	1	..	..	2	..	..	..	..	..	..	1	2	3	4.8
English River.....	133	15	11.2	12	..	..	2	1	..	..	..	..	..	..	..	..	1	..	..	1	6.6
Martin River.....	160	8	5.0	6	..	1	..	1	..	..	..	..	..	..	..	..	2	..	..	2	25.0
East Main.....	..	9	..	7	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	2	22.2
Fort George.....	..	6	..	5	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Great Whale.....	..	5	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Bands.....	..	5	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total Indians.....	..	766	..	650	9	13	36	12	25	6	6	4	..	2	2	1	25	11	3	39	5.1%
Half Breeds.....	..	135	..	121	1	4	3	2	3	1	..	..	..	..	..	..	7	..	..	7	5.3
Whites.....	..	57	..	53	..	2	1	..	1	..	..	..	..	..	..	..	2	..	..	2	3.5
Grand Total.....	..	958	..	824	10	19	40	14	29	7	6	4	..	2	2	1	34	11	3	48	5.0%



TABLE XIII

## THE AVERAGE COST OF DISCOVERING A CASE OF TUBERCULOUS DISEASE ON FIRST EXAMINATION

(Based on an average cost of \$3.10 per clinic examination)

Age Groups	Number of First Examinations	Total Cost of Examinations	Number of Cases Tuberculous Disease Discovered	Average Cost per Case	Number of Cases Discovered Requiring Active Treatment	Average Cost of Discovering a Case Requiring Active Treatment
0 to 4	415	\$1,286.50	16	\$80.40	14	\$91.89
5 to 9	863	2,675.30	36	74.31	20	133.76
10 to 14	975	3,022.50	28	107.95	18	167.91
15 to 19	1373	4,256.30	27	157.64	18	236.46
20 to 24	1016	3,149.60	25	125.98	15	209.31
25 to 29	970	3,007.00	20	150.35	8	375.87
30 to 39	1701	5,673.10	57	99.53	27	210.11
40 to 49	1075	3,332.50	48	69.43	18	185.14
50 to 59	677	2,098.70	39	53.81	21	99.94
60 to 69	316	979.60	35	27.99	11	89.05
70 and over	111	344.10	5	68.82	5	68.82
Totals	9492	\$29,425.20	336	\$87.57	175	\$168.14

TABLE XIV

THE AVERAGE COST OF DISCOVERING A NEW CASE OF  
TUBERCULOSIS DISEASE ON REPEAT EXAMINATION

(Based on an average cost of \$3.10 per clinic examination)

Number of Repeat Examinations.....	5,688
Cost of this service.....	\$17,632.80
Number of new cases of Tuberculosis discovered.....	85
Average cost per case.....	\$207.45
*Number cases recommended for sanatorium.....	101
Average cost per case.....	\$174.58

\*Some of these were known cases who had become re-activated.

## MISCELLANEOUS

- 1,459 films have been interpreted in the central office for various agencies—public hospitals, industrial schools and private physicians.
- 460 films were repeated on recruits rejected because of pulmonary or suspected tuberculosis.
- 2,121 films were taken in the central office: 257 on applicants; 103 on Provincial Police; 15 for the Mothers' Allowances Commission; 39 on ex-patients of sanatoria receiving post-sanatorium care from the department; 35 on recruits rejected because of chest findings; 137 on members of staff of hospitals having no X-ray facilities; 190 on nurses' aides (civilian defence); 231 on members of the civil service; 115 on teachers-in-training; 326 on employees of industry; 80 on University of Toronto students; 223 on persons referred by staff physicians and 370 on persons referred by outside physicians.

## ORGANIZATION OF MASS SURVEYS

The original approach to an employer of industry is usually made by one of the physicians or senior staff of the Division. Frequently an industry either through its manager, personnel officer or plant physician, makes the approach to the Division requesting a survey of its employees. Sometimes the medical officer of health in a municipality where the industry is located interests the industries regarding tuberculosis control among their employees.

In no instance among the eighty-two some plants surveyed by this Division has the employee been asked to contribute to the cost of the survey. The industry or agency concerned has paid a nominal fee and the Division has assumed the balance of the cost.

The Division files all its 4" x 5" films in separate envelopes in which are recorded all information necessary in the follow-up of any particular person. Industries have revealed an eagerness to assist the staff in every way and in every plant surveyed during the last year the office staffs have completed the necessary non-medical information requested on the envelope. Further, they have delegated a liaison officer to work with the clinic staff and another person to superintend the prompt reporting of employees and to direct the women regarding the manner in which they should present themselves in the X-ray room. All women employees are covered to the waist by a double paper cape, equal in thickness to two sheets of Kleenex or two sheets of Face-Elle paper.

On an average, one person per minute is given an X-ray film of the lungs. The working day is from six to seven hours. The shifts are accommodated as requested by the plant manager; no employee or student, as the case may be, is kept in the waiting room more than ten to fifteen minutes.

When a person's 4" x 5" film shows significant abnormal shadows a standard 14" x 17" film is taken. At the time the second film is taken a physician of the Division secures a history and makes a physical examination. The nature of the condition is explained to the employee and he is told the probable diagnosis and recommendations which will be made. When the case is further reviewed and a final diagnosis reached a report is forwarded or given to—

1. The industry concerned or the plant physician if there is one.
2. The employee—through the plant physician or a physician of the Division.
3. The family physician, if there is one.
4. The medical officer of health in the case of any person showing tuberculosis requiring treatment or further observation.
5. The general files of the Department.
6. The files of the Division.

Where possible, arrangements have been made for 14" x 17" films to be taken on those individuals whose 4" x 5" films show abnormal shadows prior to our physician visiting the plant to make the physical examination. In this way he has the larger film available at the time of examination which permits him to make his final decision and so inform the patient. This method necessitates only one visit of the physician to the plant and brings about earlier disposition of the case. The examination by a physician as soon as possible after the X-ray film has been taken, avoids losing touch with the affected person and his contacts.

Plant physicians welcome the assistance of the Division in having physicians trained in tuberculosis work, make the personal contact with those employees found to have disease of the lungs.

Any person who has been given an X-ray film of the lungs in which no abnormality has been found may, on request, receive a report to this effect.

The industry, through its plant publications, by its bulletin board or by giving to each employee at the time of his being X-rayed, a small printed notice, advises the individual that if he is not given a physical examination of the lungs within a certain time of the taking of the X-ray film or the completion of the survey, he may assume no significant findings were revealed and no tuberculosis was discovered.

This procedure has been found quite satisfactory by every industry surveyed. Because of shortage of staff and expense, an individual report to each employee is not thought to be indicated.

TABLE XV

## MASS X-RAY SURVEYS—1943

(Exclusive of Teachers and Federal Civil Service)

1. Number of individuals X-rayed.....		58,859
2. Number with no disease or abnormality.....	56,557 =	96.1%
3. Number with pulmonary tuberculosis.....	698 =	1.2%
4. Number with previous pleurisy (only two with effusion).....	677 =	1.1%
5. Number with other conditions (this includes primary foci, accentuated markings, abnormal hearts, silicosis, etc.).....	927 =	1.6%
	<hr/>	
	58,859	100%

## CLASSIFICATION OF TUBERCULOUS CASES

	Minimal	Moderately Advanced	Far Advanced	Total	Percent. of X-rays Taken
6. Active.....	42	22	10	74	0.13%
Questionable Activity.....	54	12	2	68	0.12%
Arrested.....	443	98	15	556	1.0 %
	<u>539</u>	<u>132</u>	<u>27</u>	<u>698</u>	<u>1.25%</u>
7. Active Cases = 74 = 11% of tuberculous cases found.					
8. Active Cases = 74	Minimal	= 42 = 57%			
	Moderately Advanced	= 22 = 30%			
	Far Advanced	= 10 = 13%			

TABLE XVI

## FEDERAL CIVIL SERVICE X-RAY SURVEY—OTTAWA, ONTARIO

(Preliminary Report on First 16,000 in 1943)

1. Number of individuals X-rayed.....	16,000
2. Number with no disease or abnormality.....	15,228 = 95.1%
3. Number with pulmonary tuberculosis.....	339 = 2.1%
4. Number with previous pleurisy.....	187 = 1.1%
5. Number with other conditions.....	246 = 1.5%

## CLASSIFICATION OF TUBERCULOUS CASES

	Minimal	Moderately Advanced	Far Advanced	Total	Percent. of X-rays Taken
6. Active.....	20	19	9	48	.3%
Questionable Activity.....	35	13	2	50	.31%
Arrested.....	190	48	3	241	1.5%
	<u>245</u>	<u>80</u>	<u>14</u>	<u>339</u>	<u>2.1%</u>
7. Active Cases = 48 = 11% of tuberculous cases found.					
8. Active Cases = 48.	Minimal	= 20 = 42%			
	Moderately Advanced	= 19 = 39%			
	Far Advanced	= 9 = 19%			

TABLE XVII  
SUMMARY OF CLINIC EXAMINATIONS—SANATORIUM EXTENSION AND MUNICIPAL CHEST CLINICS

	TORONTO CLINICS											Totals										
	Hospital for Sick Children	St. Michael's	St. Joseph's	Women's Col- lege Hospital	Toronto Gen- eral Hospital	Western Hospital	Cage Institute	Brantford Sanatorium	Cornwall Sanatorium	Fort William Sanatorium	Gravenhurst Sanatorium		Halleybury Sanatorium	Hamilton Sanatorium	Kingston Sanatorium	Kitchener Sanatorium	London Sanatorium	Ottawa Sanatorium	St. Catharines Sanatorium	Windsor Sanatorium	Windsor City Clinic	
I. FIRST EXAMINATIONS:																						
Active.....																						
1. Primary Infection (Childhood)—Inactive.....	19	0	0	0	4	1	0	1	4	15	1	3	3	1	7	1	7	11	3	0	81	
Active.....																						
2. Minimal Inactive.....	23	0	0	0	12	4	0	29	32	73	6	1	43	3	3	6	8	1	21	0	265	
Active.....																						
3. Moderately Advanced Inactive.....	3	2	5	0	11	5	19	21	10	68	3	3	32	2	19	16	24	21	5	17	286	
Active.....																						
4. Far Advanced Inactive.....	0	14	3	0	19	23	19	58	36	567	4	9	94	9	70	38	65	88	19	25	1160	
Active.....																						
5. Non-Pulmonary Inactive.....	1	10	0	0	15	5	29	13	5	61	4	3	21	1	20	14	33	32	7	21	295	
Active.....																						
6. Moderately Advanced Inactive.....	0	54	8	0	23	32	19	10	11	74	2	7	30	3	35	10	42	33	10	7	410	
Active.....																						
7. Far Advanced Inactive.....	1	6	0	0	3	7	42	15	15	16	1	3	19	5	10	23	31	32	8	22	259	
Active.....																						
8. Non-Pulmonary Inactive.....	0	5	0	0	12	10	15	3	8	8	0	3	19	0	1	16	3	7	3	6	119	
Active.....																						
9. Non-Pulmonary Inactive.....	6	2	0	0	1	0	5	0	3	8	2	2	6	0	0	10	6	11	2	6	70	
Active.....																						
10. With Effusion Inactive.....	5	2	0	0	3	6	0	0	2	4	2	0	12	0	1	7	6	5	7	1	63	
Active.....																						
11. Thickened Pleura Inactive.....	0	10	0	0	1	1	7	39	1	76	1	2	2	1	4	13	13	24	3	6	204	
Active.....																						
12. Suspects Inactive.....	0	2	0	0	4	3	0	0	19	0	1	3	0	0	2	0	17	0	0	2	53	
Active.....																						
13. Non-Tuberculous Chest Conditions.....	24	35	2	0	9	5	707	40	53	62	10	12	9	23	33	0	49	n/s	12	n/s	1085	
Active.....																						
14. Undiagnosed.....	96	99	42	15	22	45	97	42	19	295	39	7	260	58	214	597	57	n/s	120	n/s	2124	
Active.....																						
15. Total first Examinations.....	15	9	0	3	3	6	5	0	4	35	20	0	10	0	51	13	13	n/s	2	n/s	189	
Active.....																						
16. No Tuberculous Disease.....	41	97	10	21	27	80	2491	1016	664	1283	137	134	1844	219	868	638	760	n/s	231	n/s	10561	
Active.....																						
17. Total first Examinations.....	234	347	70	39	169	233	3456	1287	886	2642	257	188	2404	325	1338	1410	1134	4605	453	n/s	21477	
Active.....																						
18. Repeat Examinations:																						
Active.....	19	25	4	0	27	19	101	15	46	53	5	4	44	8	135	105	173	n/s	33	n/s	816	
Inactive.....																						
19. Pulmonary Tuberculosis Inactive.....	190	255	40	2	332	390	817	174	527	285	47	51	1247	98	622	491	457	n/s	329	n/s	6354	

TABLE XVII—Continued  
SUMMARY OF CLINIC EXAMINATIONS—SANATORIUM EXTENSION AND MUNICIPAL CHEST CLINICS

	TORONTO CLINICS										Totals									
	Hospital for Sick Children	St. Michael's	St. Joseph's	Women's Col- lege Hospital	Toronto Gen- eral Hospital	Western Hospital	Gage Institute	Bramford Sanatorium	Cornwall Sanatorium	Fort William Sanatorium		Gravenhurst Sanatorium	Halleybury Sanatorium	Hamilton Sanatorium	Kingston Sanatorium	Ritchener Sanatorium	London Sanatorium	Ottawa Sanatorium	St. Catharines Sanatorium	Windsor Sanatorium
Active.....	3	1	0	0	1	0	1	0	3	2	1	0	9	1	2	18	3	3	2	47
2. Non-Pulmonary Inactive.....	38	4	2	0	14	9	17	1	24	0	0	0	72	4	9	50	23	22	22	289
3. Non-Tuberculous Chest Conditions.....	154	14	21	17	42	73	126	20	16	26	8	3	78	24	117	422	73	42	42	1276
4. Suspects.....	19	69	1	0	14	28	503	8	100	9	4	11	0	19	35	0	45	7	7	872
5. Undiagnosed.....	47	2	0	0	11	3	6	0	4	2	1	1	5	0	12	11	1	1	1	107
6. No Tuberculous Disease.....	1982	3395	863	84	2534	5701	3432	109	515	74	47	51	1406	215	500	829	376	191	191	21094
7. Total Number of Re-Examinations.....	2452	3765	931	103	2965	6284	3432	327	1235	451	114	121	2861	369	1445	1926	3103	3956	628	37354
8. Total Number of Individuals Re-Examined.....	1042	618	190	27	592	901	2126	227	806	330	111	22	2556	260	947	1395	1161	2261	471	16043
III. TOTAL NO. EXAMINATIONS.....	2686	4112	1001	142	3134	6517	6888	1614	2121	3093	371	309	5265	694	2783	3336	4237	8501	1081	58831
IV. NEWLY DISCOVERED CASES OF TUBERCULOSIS:																				
1st Examination.....	30	19	6	0	29	16	86	53	41	107	10	n.s.	33	9	33	58	77	122	21	750
Inactive.....	28	0	4	0	30	0	47	136	105	162	12	n.s.	186	15	27	26	116	110	18	1022
Repeat Examinations.....	1	0	1	0	3	0	28	11	14	12	1	0	45	1	12	12	18	20	1	202

TABLE XVIII  
 CLASSIFICATION OF NEW CASES FOUND AT SANATORIUM EXTENSION AND MUNICIPAL CLINICS—1943

CLASSIFICATION	TORONTO CLINICS										Totals										
	St. Michael's Hospital	Toronto Western Hospital	Toronto General Hospital	St. Joseph's Hospital	Hosp. for Sick Children	Gage Institute	Branford Sanatorium	Cornwall Sanatorium	Fort William Sanatorium	Gravenhurst Sanatorium		Halleybury Sanatorium	Hamilton Sanatorium	Kingston Sanatorium	Kitchener Sanatorium	London Sanatorium	Ottawa Sanatorium	St. Catharines Sanatorium	Windsor Sanatorium	Windsor Municipal Clinic	
CHILDHOOD (Primary Infection)	Active	0	0	2	0	19	0	2	7	11	1	0	3	2	7	3	7	11	3	6	84
	Inactive	0	0	2	0	23	0	29	34	34	6	0	43	3	3	4	8	1	21	0	211
MINIMAL	Active	2	7	11	6	3	19	25	13	36	3	0	33	2	10	16	24	21	5	17	253
	Inactive	0	0	15	2	0	19	58	45	140	4	0	94	9	19	23	65	88	19	24	624
MODERATELY ADVANCED	Active	20	3	12	0	1	29	15	6	34	3	0	23	1	7	14	33	32	7	22	262
	Inactive	0	0	5	2	0	19	12	11	3	2	0	30	3	4	2	36	33	10	8	180
FAR ADVANCED	Active	5	6	3	0	1	42	17	16	11	1	0	19	5	6	18	31	32	8	22	243
	Inactive	0	0	1	0	0	15	3	8	1	0	0	19	0	0	1	3	7	3	6	67
NON-PULMONARY TUBERCULOSIS (Including Pleurisy)	Active	2	0	3	0	11	2	3	4	3	3	0	20	0	0	14	23	12	2	9	111
	Inactive	0	0	5	0	0	3	36	2	1	0	0	0	0	0	1	10	4	7	5	83

SUMMARY OF NUMBER OF CLINIC EXAMINATIONS  
IN ONTARIO—1943

1. Travelling Clinics. . . . .		15,593
2. Mass Surveys:		
(a) Factories and other groups. . . . .		58,859
(b) Federal Civil Servants. . . . .		16,000
*(c) Teachers. . . . .		4,000
(d) Surveys conducted by Division of Industrial Hygiene. . . . .		31,113
3. Municipal and Sanatorium Extension Clinics. . . . .		58,831
		184,396

\*Report on Teachers' Survey to be included in 1944 Report.

PART II

INFORMATION RE TUBERCULOSIS AMONG RECRUITS AND  
ENLISTED MEN AND WOMEN

TABLE XIX

RECRUITS REJECTED BECAUSE OF TUBERCULOUS DISEASE

(As of December 31, 1943)

		1939-40	1941	1942	1943	Total
Childhood (Primary Infection)	Active	0	0	0	1	1
	Inactive	6	3	6	11	26
Minimal	Active	19	27	67	70	183
	Inactive	83	106	306	310	805
Moderately Advanced	Active	37	38	60	62	197
	Inactive	25	14	42	62	143
Far Advanced	Active	3	14	11	12	40
	Inactive	2	2	0	6	10
Pleurisy with Effusion. . . . .		0	0	2	2	4
						1,409

Total active cases of Tuberculosis. . . . . 425  
 Total inactive cases of Tuberculosis. . . . . 984  
 19 of the active and 22 of the inactive cases were women.  
 43.0% of active cases discovered had minimal disease.  
 46.4% of active cases discovered had moderately advanced disease.  
 9.5% of active cases discovered had far advanced disease.  
 1% of active cases discovered had pleurisy with effusion.



TABLE XX

ENLISTED MEN AND WOMEN REPORTED WITH TUBERCULOUS  
DISEASE AS OF DECEMBER 31, 1943

(Residents of Ontario)

		1939-40	1941	1942	1943	Total
Childhood (Primary Infection)	Active	0	0	0	1	1
	Inactive	2	0	0	0	2
Minimal	Active	40	30	36	39	145
	Inactive	68	8	15	9	100
Moderately Advanced	Active	57	15	15	53	140
	Inactive	25	3	1	0	29
Far Advanced	Active	13	3	12	25	53
	Inactive	1	0	0	0	1
Pleurisy with Effusion . . . . .		4	13	37	59	113
Extra-pulmonary Tuberculosis . .		4	2	9	15	30

Total Active Cases of Tuberculosis . . . . . 482

Total Inactive Cases of Tuberculosis . . . . . 132

NOTE: Eight of the active cases were women.

30.0% of the active cases had minimal disease.

29.0% of the active cases had moderately advanced disease.

11.0% of the active cases had far advanced disease.

23.4% of the active cases had pleurisy with effusion.

6.2% of the active cases had extra pulmonary tuberculosis.

## COMMENTS ON TABLES XIX AND XX

It is interesting to note that pleurisy with effusion is 23 times as prevalent among enlisted individuals as in recruits who represent the civilian population. No extra-pulmonary tuberculosis was given as the reason for rejection of recruits while 6.2% of those discharged from the service because of tuberculosis were suffering from extra-pulmonary tuberculosis. Most of the latter were in the group of men returned from overseas. One could assume that most of these cases represent primary infection and it would be interesting to know what percentage represent bovine infection.

TABLE XXI  
 RECORD OF SANATORIUM DAYS  
 Enlisted Men and Women and Recruits  
 (As of December 31, 1943)

	Paid by or through Department of Pensions					Paid by Province of Ontario				
	1940	1941	1942	1943	Total	1940	1941	1942	1943	Total
	ENLISTED MEN AND WOMEN:									
I. Residents of Ontario.....	5,846	9,014	21,356	33,759	69,975	11,424	12,093	7,444	4,132	35,093
II. Residents of other Provinces or U.S.A.....	520	956	1,132	1,044	3,652	128	44	.....	.....	172
III. Royal Air Force.....	1	5,169	7,908	5,788	18,866	.....	.....	.....	.....	.....
IV. Royal Norwegian Forces.....	.....	2,168	3,206	1,771	7,145	.....	.....	.....	.....	.....
V. Royal Dutch Forces.....	.....	.....	171	1,444	1,615	.....	.....	.....	.....	.....
VI. Polish Forces.....	.....	.....	.....	197	197	.....	.....	.....	.....	.....
Totals.....	6,367	17,307	33,773	44,003	101,450	11,552	12,137	7,444	4,132	35,265
RECRUITS.....	.....	.....	.....	.....	.....	5,471	19,290	33,169	52,248	110,178

Total number of days paid by or through Department of Pensions..... 101,450  
 Total number of days paid by Province of Ontario..... 110,178

TABLE XXII

## RECORD OF SANATORIUM TREATMENT AMONG ENLISTED MEN AND WOMEN AND RECRUITS

January 1, 1940–December 31, 1943

	Number Admitted to Sanatorium	Number Discharged from Sanatorium	Number under Treatment as of December 31, 1943
1. Enlisted Men and Women:			
(1) Residents of Ontario.....	367	221	146
(2) Non-residents.....	140	106	34
ii. Recruits (not attested).....	368	222	146

## PART III

## TUBERCULIN TESTING AND X-RAYING OF STUDENTS IN NORMAL SCHOOLS AND THE COLLEGE OF EDUCATION

The Division co-operated with the Department of Education in carrying out this work.

TABLE XXIII

	Number Enrolled	Number Tuberculin Tested	Number of Reactors	Percentage of Reactors %	Number X-rayed	Number Showing Evidence Active Tuberculous Disease	Percentage with Active Tuberculous Disease %
Normal Schools.....	818	758	141	18.6	253	2	.24
College of Education.....	131	131	41	31.3	45	0	...

## PART IV

RECORD OF TUBERCULIN TESTING AND X-RAYING OF GRADUATE  
AND NON-GRADUATE NURSES IN PUBLIC AND RED CROSS  
HOSPITALS, HOSPITALS FOR INCURABLES AND  
SANATORIA—1943

TABLE XXIV

	INSTITUTIONS REPORTING	Number Reported	Number Tuberculin Reactors	Percentage Tuberculin Reactors %	Number X-rayed	Number Previously Known Cases of Tuberculous Disease	Number Newly Discovered Cases of Tuberculous Disease	Percentage of Total with Newly Discovered Tuberculous Disease %
GRADUATES	Public and Red Cross Hospitals	3,926	2,429	61.7	2,889	11	4	.10
	Hospitals for Incurables	148	90	60.8	96	2	0	...
	Sanatoria	679	603	88.8	640	33	5	.73
	Totals	4,753	3,122	65.5	3,625	46	9	.19
NON-GRADUATES	Public and Red Cross Hospitals	5,326	2,101	39.4	2,660	4	14	.26
	Hospitals for Incurables	180	66	36.6	66	0	0	...
	Sanatoria	197	170	86.3	167	23	0	...
	Totals	5,703	2,337	40.9	2,893	27	14	.24

## GRADUATE NURSES

## 1. NEWLY DISCOVERED TUBERCULOUS DISEASE:

- \*2 Pleurisy with Effusion. . . . . (a) One entered sanatorium  
(b) One treated at home  
\*5 Minimal, active. . . . . (a) Three entered sanatorium  
(b) Two treated in hospital  
1 Minimal, inactive. . . . . Remained on duty  
\*1 Moderately advanced, active. . . . . Entered sanatorium  
\* Of the nine newly discovered cases of tuberculosis, eight required treatment.

## 2. PREVIOUSLY KNOWN:

- 26 Minimal, inactive. . . . . Remained on duty  
16 Moderately advanced, inactive. . . . . Remained on duty  
4 Far advanced, inactive. . . . . Remained on duty  
None of the 46 previously known cases of tuberculosis became reactivated.

## NON-GRADUATE NURSES

## 1. NEWLY DISCOVERED TUBERCULOSIS DISEASE:

2 Pleurisy with Effusion.....	(a) One entered sanatorium
	(b) One treated at home
11 Minimal, active.....	(a) Seven entered sanatorium
	(b) Two treated in hospital
	(c) Two treated at home
1 Moderately advanced, active.....	Entered sanatorium

All of the 14 newly discovered cases required treatment.

## \*2. PREVIOUSLY KNOWN:

11 Minimal, inactive.....	Remained on duty
11 Moderately advanced, inactive.....	Remained on duty
5 Far advanced, inactive.....	Remained on duty

None of the 27 previously known cases became reactivated and required treatment.

\* Most of the previously known cases were among non-graduate nurses employed in sanatoria.

## PART V

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF  
DEATH IN PERSONS DYING OF TUBERCULOSIS IN  
ONTARIO—1942

With the co-operation of the sanatoria the record was obtained of persons dying of tuberculosis in Ontario in 1942 who had received sanatorium treatment within five years of death.

Table XXV gives the summary of the findings for deaths of all forms of tuberculosis, as well as pulmonary only; a separate tabulation being made for Indians, Whites, and Whites and Indians combined.

It will be noted that 69.6% of all persons dying of tuberculosis (all forms) had been in sanatorium, while 75.7% of those dying of pulmonary tuberculosis had received sanatorium treatment. (If the white population only is counted the percentages are 73.2% and 78.9% respectively.)

Tables XXVI, XXVII and XXVIII give the details re the deaths from pulmonary tuberculosis in counties, districts, cities and towns.

Table XXIX shows the analysis of those persons (excluding Treaty Indians) who died of pulmonary tuberculosis in 1942 who had not been in sanatorium within five years of death. It will be noted that 61.5% of these were over 51 years of age, and 42.3% were over 60 years of age.

TABLE XXV

HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH  
IN PERSONS DYING OF TUBERCULOSIS IN ONTARIO IN 1942

PLACE OF RESIDENCE	WHITES AND INDIANS					
	All Forms			Pulmonary Only		
	Number of Deaths	Number Treated in Sanatorium	Percentage	Number of Deaths	Number Treated in Sanatorium	Percentage
*Districts . . . . .	179	105	58.6	155	100	64.6
*Counties . . . . .	269	176	65.4	236	168	71.1
Cities and Towns 5,000 and over . . . . .	606	453	74.7	547	442	80.8
Totals . . . . .	1,054	734	69.6	938	710	75.7
	DEATHS					
*Districts . . . . .	78	24	30.8	65	23	35.4
*Counties . . . . .	13	5	38.4	8	4	50.0
Cities and Town 5,000 and over . . . . .	0	0	....	0	0	....
Totals . . . . .	81	29	35.8	73	27	36.9
	WHITES					
*Districts . . . . .	101	81	80.2	90	77	85.5
*Counties . . . . .	256	171	66.8	228	164	71.9
Cities and Towns 5,000 and over . . . . .	606	453	74.7	547	442	80.8
Totals . . . . .	963	705	73.2	865	683	78.9

\* Excluding Cities and Towns of 5,000 and over.

TABLE XXVI

## HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH

In Persons Dying of Tuberculosis (Pulmonary Only) Ontario, 1942

(Counties exclusive of Cities and Towns of 5,000 and Over)

COUNTY	Pulmonary Tuberculosis Deaths			*Sanatorium Treatment			Percentage Treated in Sanatorium		
	Whites	Indians	Total	Whites	Indians	Total	Whites	Indians	Total
Addington.....	1	0	1	1	...	0	100	...	100
Brant.....	2	4	6	2	1	3	100	25	50
Bruce.....	5	1	6	4	0	4	80	0	66
Carleton.....	9	0	9	6	0	6	66	0	66
Dufferin.....	4	0	4	2	0	2	50	0	50
Dundas.....	1	0	1	0	...	0	0	...	0
Durham.....	5	0	5	4	...	4	80	...	80
Elgin.....	2	0	2	1	...	1	50	...	50
Essex.....	10	0	10	7	...	7	70	...	70
Frontenac.....	3	0	3	3	...	3	100	...	100
Glengarry.....	6	0	6	4	...	4	66	...	66
Grenville.....	5	0	5	3	...	3	60	...	60
Grey.....	10	0	10	7	...	7	70	...	70
Haldimand.....	3	1	4	3	1	4	100	100	100
Haliburton.....	0	0	0	...	...	...	...	...	...
Halton.....	5	0	5	4	...	4	80	...	80
Hastings.....	4	0	4	4	...	4	100	...	100
Huron.....	10	0	10	7	...	7	70	...	70
Kent.....	12	0	12	11	...	11	91	...	91
Lambton.....	3	1	4	3	1	4	100	100	100
Lanark.....	4	0	4	2	...	2	50	...	50
Leeds.....	6	0	6	4	...	4	66	...	66
Lennox.....	0	0	0	...	...	...	...	...	...
Lincoln.....	4	0	4	3	...	3	75	...	75
Middlesex.....	10	0	10	8	...	8	80	...	80
Norfolk.....	4	0	4	3	...	3	75	...	75
Northumberland.....	5	0	5	3	...	3	60	...	60
Ontario.....	4	0	4	4	...	4	100	...	100
Oxford.....	7	0	7	5	...	5	71	...	71
Peel.....	3	0	3	2	...	2	66	...	66
Perth.....	6	0	6	6	...	6	100	...	100
Peterborough.....	4	0	4	4	...	4	100	...	100
Prescott.....	4	0	4	3	...	3	75	...	75
Prince Edward.....	5	0	5	1	...	1	20	...	20
Renfrew.....	9	0	9	5	...	5	55	...	55
Russell.....	3	0	3	1	...	1	33	...	33
Simcoe.....	5	1	6	3	1	4	60	100	66
Stormont.....	4	0	4	0	...	0	0	...	0
Victoria.....	4	0	4	3	...	3	75	...	75
Waterloo.....	2	0	2	0	...	0	0	...	0
Welland.....	6	0	6	4	...	4	66	...	66
Wellington.....	2	0	2	2	...	2	100	...	100
Wentworth.....	1	0	1	1	...	1	100	...	100
York.....	26	0	26	21	...	21	81	...	81
Totals.....	228	8	236	164	4	168	71.9	50.0	71.1

\*Within five years of death.

TABLE XXVII

## HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH

In Persons Dying of Tuberculosis (Pulmonary Only) Ontario, 1942

(Districts exclusive of Cities and Towns of 5,000 and Over)

COUNTY	Pulmonary Tuberculosis Deaths			*Sanatorium Treatment			Percentage Treated in Sanatorium		
	Whites	Indians	Total	Whites	Indians	Total	Whites	Indians	Total
Algoma.....	4	5	9	2	2	4	50	40	34
Cochrane.....	23	20	43	20	3	23	87	15	53
Kenora.....	3	7	10	3	1	4	100	14	40
Manitoulin.....	2	8	10	2	5	7	100	62	70
Muskoka.....	3	0	3	2	2	2	66	...	66
Nipissing.....	6	0	6	5	...	5	83	...	83
Parry Sound.....	7	3	10	4	0	4	57	0	40
Patricia.....	1	3	4	1	1	2	100	33	50
Rainy River.....	5	3	8	5	2	7	100	66	87
Sudbury.....	11	2	13	10	2	12	90	100	92
Temiskaming.....	16	1	17	14	0	14	87	0	82
Thunder Bay.....	9	13	22	9	7	16	100	54	73
Totals.....	90	65	155	77	23	100	85.5	35.4	64.6

\*Within Five Years of Death.

TABLE XXVIII

## HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH

In Persons Dying of Tuberculosis, Ontario, 1942

(Cities and Towns of 5,000 Population and Over)

CITIES AND TOWNS	Tuberculosis Deaths		*Sanatorium Treatment		Percentage Treated in Sanatorium	
	All Forms	Pulmonary	All Forms	Pulmonary	All Forms	Pulmonary
Barrie.....	1	1	1	1	100	100
Belleville.....	6	5	5	5	83	100
Brampton.....	0	0	...	...	...	...
Brantford.....	5	5	4	4	80	80
Brockville.....	4	4	3	3	75	75
Chatham.....	7	6	6	6	86	100
Cobourg.....	0	0	...	...	...	...
Collingwood.....	2	1	1	1	50	100
Cornwall.....	9	8	4	4	44	50
Dundas.....	3	3	3	3	100	100
Eastview.....	5	3	2	2	40	66
Forest Hill.....	0	0	...	...	...	...
Fort Erie.....	1	1	1	1	100	100
Fort Frances.....	1	1	1	1	100	100



TABLE XXVIII—Continued

## HISTORY OF SANATORIUM TREATMENT WITHIN FIVE YEARS OF DEATH

In Persons Dying of Tuberculosis, Ontario, 1942

(Cities and Towns of 5,000 Population and Over)

CITIES AND TOWNS	Tuberculosis Deaths		*Sanatorium Treatment		Percentage Treated in Sanatorium	
	All Forms	Pulmonary	All Forms	Pulmonary	All Forms	Pulmonary
Fort William.....	17	16	16	16	99	100
Galt.....	3	3	3	3	100	100
Guelph.....	6	5	4	4	66	80
Hamilton.....	51	48	40	37	78	77
Hawkesbury.....	5	5	3	3	60	60
Ingersoll.....	1	1	1	1	100	100
Kenora.....	1	1	1	1	100	100
Kingston.....	12	9	9	8	75	88
Kitchener.....	7	7	6	6	86	86
Leamington.....	1	0	0	0	0	...
Lindsay.....	2	2	1	1	50	50
London.....	23	22	19	19	82	86
Long Branch.....	2	2	1	1	50	50
Midland.....	1	1	1	1	100	100
Mimico.....	2	1	2	1	100	100
New Toronto.....	0	0	...	...	...	...
Niagara Falls.....	10	9	4	4	40	44
North Bay.....	...	...	...	...	...	...
Orillia.....	1	1	1	1	100	100
Oshawa.....	2	1	2	1	100	100
Ottawa.....	62	56	44	43	71	77
Owen Sound.....	6	5	3	3	50	60
Parry Sound.....	2	2	2	2	100	100
Pembroke.....	5	5	4	4	80	80
Peterborough.....	6	6	6	6	100	100
Port Arthur.....	12	8	9	8	75	100
Port Colborne.....	0	0	...	...	...	...
Port Hope.....	1	1	1	1	100	100
Preston.....	1	1	0	0	...	...
Renfrew.....	2	2	2	2	100	100
Riverside.....	0	0	...	...	...	...
St. Catharines.....	6	6	4	4	66	66
St. Thomas.....	4	4	4	4	100	100
Sarnia.....	6	4	2	2	33	50
Sault Ste. Marie.....	4	3	3	3	75	100
Simcoe.....	1	1	1	1	100	100
Smith's Falls.....	3	3	3	3	100	100
Stratford.....	4	4	2	2	50	50
Sudbury.....	15	15	10	10	66	66
Swansea.....	1	1	1	1	100	100
Thorold.....	2	2	2	2	100	100
Timmins.....	13	11	10	9	77	82
Toronto.....	222	202	166	165	75	81
Trenton.....	3	2	1	1	33	50
Waterloo.....	1	0	1	...	100	...
Welland.....	3	3	2	2	66	66
Weston.....	3	3	2	2	66	66
Whitby.....	0	0	...	...	...	...
Windsor.....	25	23	21	21	84	91
Woodstock.....	2	2	2	2	100	100
Totals.....	606	547	453	442	74.7%	80.8%

\*Within five years of death.

TABLE XXIX

PERSONS (Excluding Indians) DYING FROM PULMONARY TUBERCULOSIS IN  
ONTARIO IN 1942—NOT TREATED IN SANATORIUM WITHIN  
FIVE YEARS OF DEATH

## 1. Analysis According to Sex and Age

AGE GROUPS	Male	Female	Total	Percentage of Total
0 to 9	4	4	8	4.4
10 to 19	1	4	5	2.7
20 to 29	5	8	13	7.3
30 to 39	13	5	18	9.9
40 to 49	15	11	26	14.3
50 to 59	27	8	35	19.2
60 to 69	22	11	33	18.1
70 to 79	21	14	35	19.2
80 and Over	5	4	9	4.9
Total	113	69	182	100.0%

## 2. Analysis According to Classification of Pulmonary Tuberculosis as Primary or Secondary Cause of Death

AGE GROUPS	Pulmonary Tuberculosis Given as Primary Cause	Pulmonary Tuberculosis Given as Secondary Cause
0 to 9	4	4
10 to 19	4	1
20 to 29	12	1
30 to 39	14	4
40 to 49	16	10
50 to 59	27	8
60 to 69	27	6
70 to 79	24	11
80 and Over	5	4
Total	133	49

## 3. Analysis According to Reason for not Entering Sanatorium

(a) Refused treatment	32
(b) Diagnosed shortly before death or at autopsy	110
(c) Reason not known	7
(d) Sanatorium treatment not considered necessary by physician or clinic	23
(e) Diagnosis of tuberculosis not correct	1
(f) No answer to questionnaire	9

\*182

\*18 of the 182 had been in Sanatorium previous to the five-year period preceding death.

## PART VI

REPORT UPON POST-SANATORIUM CARE OF EX-PATIENTS  
OF SANATORIA

The Department acknowledges responsibility for those patients who, prior to admission to sanatorium, resided in unorganized territory and also for those who did not establish residence in an organized municipality within the meaning of The Sanatoria for Consumptives Act.

There were 53 of these patients discharged from sanatoria during the year for whom the Department was not required to supply assistance, i.e., board and lodging. However, the Department furnished four of this number with transportation from sanatorium to their home, while fifteen were given assistance with the payment of their pneumothorax refills. Three pneumothorax patients were also supplied with transportation to and from the pneumothorax centre.

As of December 31st, 1943, there were a total of 96 patients receiving assistance with the payment of their pneumothorax refills and on whom the Department receives reports.

EX-PATIENTS OF SANATORIA FROM UNORGANIZED TERRITORY  
OR WITHOUT MUNICIPAL RESIDENCE

		Receiving Board and Lodging in Approved Homes	Receiving Assistance in Home of Relative	Total
On After-care as of January 1, 1943 . . . . .		14 (12)	27 (36)	41 (48)
Placed on After-care during 1943 . . . . .		17 (32)	20 (26)	37 (58)
Total Receiving After-care during 1943 . . . . .		38 (44)	45 (62)	83 (106)
Assistance Discontinued during 1943 for the following Reasons:	No longer required . . . . .	16 (21)	22 (34)	38 (55)
	Readmitted to Sanatorium . . . . .	2 (4)	5 (5)	7 (9)
	Against Medical Advice . . . . .	.. (1)	.....	.. (1)
On After-care as of December 31, 1943 . . . . .		17 (18)	18 (23)	35 (41)

NOTE:—Figures in brackets are for the year 1942.

## PART VII

## SANATORIUM STATISTICS

## SANATORIUM BEDS AS OF DECEMBER 31, 1942

Number . . . . .	3,624
Percentage of Average Occupancy . . . . .	93.7%

## ADMISSIONS TO SANATORIA BY AGE GROUPS DURING 1942

	Number	Percentage
9 years and under.....	88	3.1
10-19 years.....	374	13.0
20-29 years.....	918	31.9
30-39 years.....	598	20.8
40-49 years.....	429	14.9
50-59 years.....	284	9.9
60-69 years.....	144	5.0
70 and over.....	40	1.4
	<u>2,875</u>	<u>100.0</u>

CLASSIFICATION OF ADMISSIONS TO SANATORIA  
DURING THE YEAR 1942

	Number	Percentage
New Cases.....	2,148	74.7
Reviews.....	38	1.3
Readmissions.....	689	24.0
Total Net Admissions (excluding Transfers).....	2,875	100.0
Readmissions—		
1st.....	476	
2nd.....	125	
3rd.....	88	
	<u>689</u>	

DIAGNOSTIC CLINICS STAFFED BY SANATORIUM PERSONNEL  
DURING 1942

(Excludes Diagnostic Clinics held at Sanatoria)

	Patients Examined	*X-Ray Films
Municipal Clinics.....	16,837	10,892
Extension Clinics.....	15,274	10,644
	<u>32,111</u>	<u>21,536</u>

\*Not reported in all returns.

APPLICATION OF SURGERY FOR TUBERCULOUS CONDITIONS IN SANATORIA  
DURING THE YEAR 1942

	Number of Patients having the Procedure	Number of Individual Operations Performed
Thoracoplasty.....	157	317
Extra-pleural Pneumothorax (apicolysis).....	19	19
Intra-pleural Pneumolysis.....	375	414
Phrenic Nerve operations.....	327	329
Rib-resections.....	3	4
Bronchoscopy.....	200	218
Pneumothorax attempted unsuccessfully (several attempts listed only as one).....	286	333
Pneumothorax established (unilateral only).....	752	752
Pneumothorax established (bilateral—unilateral made bilateral)	84	84
Pneumoperitoneum.....	63	63
Spinal Fusion operations.....	26	26
Arthrodesis operations.....	8	8
Ischiorectal operations.....	15	17
Nephrectomy.....	14	14
Epididymectomy, Orchidectomy, etc.....	4	4
Cauterization of Larynx.....	26	35
Cystoscopy.....	21	49
Others.....	298	590
	2,678	3,429

FINANCIAL STATUS OF PATIENTS IN RESIDENCE IN SANATORIA AS  
OF DECEMBER 31, 1942

	Number	Percentage of Total
Payments by Patients—		
No contribution.....	2,663	80.3
\$1.00 per week.....	2	.1
More than \$1.00 to \$2.00 per week.....	22	.7
More than \$2.00 to \$3.00 per week.....	29	.8
More than \$3.00 to \$4.00 per week.....	95	2.8
More than \$4.00 to \$5.00 per week.....	72	2.2
More than \$5.00 to \$10.00 per week.....	88	2.7
More than \$10.00 to \$11.00 per week.....	42	1.2
More than \$11.00 per week.....	19	.6
	3,032	91.4
Infants born in sanatorium for whom the Province is paying \$1.00 per day.....	1	....
Patients paid for by Workmen's Compensation Board.....	35	1.0
Patients paid for by Indian Affairs Branch.....	102	3.1
Patients paid for by Department of Pensions and National Health.....	117	3.6
Others for whom no contribution is received from Province.....	27	.9
	3,314	100.0%



TOTAL NET DISCHARGES FROM SANATORIA DURING THE YEAR 1942  
SHOWING DIAGNOSIS ESTABLISHED AFTER ADMISSION, LENGTH OF STAY IN SANATORIA AND CONDITION  
AT TIME OF DISCHARGE

(Excludes transfers to other Sanatoria and New Borns)

DIAGNOSIS ESTABLISHED AFTER ADMISSION	Patients Discharged		Length of Stay in Sanatorium Since Last Admission (Number in Each Period)						Condition of Patient at Time of Discharge					
	Number	% of Total	30 days or less	31 days to 6 months	Over 6 months to 1 year	Over 1 year to 2 years	Over 2 years to 5 years	Over 5 years	No evidence of Tuberculosis	Arrested	Apparently Arrested	Quiescent	Unstable or Active	Died
			5	3	.....	.....	.....	.....	.....	8	.....	.....	.....	
Diagnosis not established.....	8	0.3	5	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
No evidence of Tuberculosis	(a) Negative I.C. reactors.	52	39	12	1	.....	.....	.....	.....	.....	.....	.....	.....	3
	(b) Positive I.C. reactors..	107	3.7	60	40	6	.....	1	.....	.....	.....	.....	.....	2
Presumptive evidence and/or suspect Tuberculosis.	38	1.3	13	19	5	1	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis not requiring treatment—only investigation or observation.....	66	2.3	43	22	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Childhood Tuberculosis (all types)	(a) Pulmonary only.....	44	1.5	2	16	19	5	2	.....	.....	.....	.....	.....	1
	(b) With extra-pul. tbc.....	4	0.1	.....	2	.....	.....	2	.....	.....	.....	.....	.....	.....
Pleurisy with Effusion	(a) Pleural Effusion only..	83	2.9	5	32	37	9	.....	.....	.....	.....	.....	.....	1
	(b) With other tuberculosis	21	0.7	.....	7	7	4	3	.....	.....	.....	.....	.....	2
Minimal	(a) Pulmonary only.....	391	13.6	29	127	157	70	7	1	1	.....	.....	.....	.....
	(b) With extra-pul. tbc....	63	2.2	5	13	18	20	7	.....	.....	.....	.....	.....	.....
Moderately Advanced	(a) Pulmonary only.....	624	21.7	31	118	168	231	71	5	.....	.....	.....	.....	.....
	(b) With extra-pul. tbc....	104	3.6	6	23	18	32	22	3	.....	.....	.....	.....	.....
Advanced or Far Advanced	(a) Pulmonary only.....	773	26.9	82	191	115	206	161	18	.....	.....	.....	.....	.....
	(b) With extra-pul. tbc....	357	12.4	41	81	54	71	89	21	.....	.....	.....	.....	.....
Pulmonary tuberculosis only.....	145	5.0	11	31	39	44	20	.....	.....	.....	.....	.....	.....	.....
Totals.....	2880	100	372	737	645	693	385	48	191	135	341	1108	507	598
Percentage of Total Net Discharges.....	100	.....	12.9	25.5	22.4	24.1	13.4	1.7	6.6	4.7	11.8	38.5	17.6	20.8

TUBERCULOSIS DEATH RATES PER 100,000 POPULATION FOR CANADA AND EACH OF THE NINE PROVINCES  
1921 to 1942 (Inclusive)

YEAR	(1) Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia
(2) 1921	(4) 87.7	143.8	134.0	106.4	(3) 123.2	71.0	68.9	42.5	53.2	77.7
1922	(4) 86.0	125.8	133.1	107.5	(3) 121.3	66.4	61.0	44.5	52.7	93.7
1923	(4) 87.2	106.9	123.9	112.9	(3) 123.8	66.0	64.9	45.2	61.7	94.6
1924	(4) 84.3	117.4	129.5	107.9	(3) 121.2	59.9	62.2	46.1	61.6	93.0
1925	(4) 81.0	101.2	114.0	103.6	(3) 115.2	60.2	60.9	43.2	58.8	92.2
1926	86.0	104.6	129.1	109.3	129.3	58.9	61.0	47.6	60.7	90.3
1927	82.3	86.2	127.8	104.3	120.4	56.7	57.6	47.8	63.3	91.0
1928	81.0	113.6	112.2	101.7	119.7	56.4	61.0	44.8	51.8	100.2
1929	79.5	88.6	103.7	96.8	121.5	52.4	63.5	43.9	58.8	95.0
1930	80.1	117.0	107.4	96.8	120.4	53.3	67.1	45.6	58.1	92.3
1931	73.5	77.3	102.1	83.1	110.6	50.3	61.3	35.4	52.2	92.5
1932	68.3	98.9	100.0	79.4	102.5	46.2	56.0	30.1	54.2	80.3
1933	65.1	80.9	91.6	83.8	98.6	41.1	58.3	31.9	52.1	76.4
1934	59.5	104.5	89.0	67.1	88.8	36.8	54.7	31.4	42.1	78.5
1935	60.4	67.4	92.6	78.1	91.9	35.5	60.8	29.2	43.1	76.9
1936	61.4	66.3	90.3	82.1	93.3	36.0	59.1	30.0	49.4	74.9
1937	60.0	69.9	85.1	88.2	88.3	35.4	59.4	32.3	43.7	80.2
1938	54.7	86.2	75.7	76.9	82.5	33.2	48.5	28.8	35.8	70.3
1939	52.9	66.3	77.3	63.4	83.5	28.9	50.5	24.6	35.9	71.3
1940	50.9	59.6	73.8	65.3	76.8	26.9	50.7	25.9	40.6	72.7
1941	52.8	73.6	74.2	68.6	80.6	29.0	44.9	31.7	41.3	65.2
1942	51.4	47.8	64.1	71.1	80.2	28.2	46.9	29.6	34.9	64.2
Percentage of Decrease— 1921-1942	41.4	66.3	51.8	33.2	34.9	60.3	32.6	30.4	36.3	17.4

(1) Exclusive of Yukon and the Northwest Territories.

(2) Indians not included in all provinces.

(3) and (4) Figures taken from Provincial Bureau of Health Reports.



## PART VIII

## RACIAL ORIGIN OF PATIENTS ADMITTED TO SANATORIA IN THE PROVINCE OF ONTARIO DURING THE YEAR 1942

RACIAL ORIGIN	Number	% of Total Admissions	RACIAL ORIGIN	Number	% of Total Admissions
English . . . . .	856	28.7	Roumanian . . . . .	20	.6
Irish . . . . .	419	14.5	Russian . . . . .	28	.8
Scottish . . . . .	385	13.9	Swedish . . . . .	12	.4
Welsh . . . . .	16	.5	Ukrainian . . . . .	86	2.7
French . . . . .	370	12.3	Chinese . . . . .	24	.8
Austrian . . . . .	12	.4	Japanese . . . . .	3	.1
Belgian . . . . .	6	.2	Syrian . . . . .	7	.2
Czech and Slovak . . . . .	27	.8	Negro . . . . .	10	.3
Netherlander . . . . .	42	1.2	Indian (N.A.) . . . . .	204	7.0
Finnish . . . . .	86	2.7	Philippino . . . . .	..	..
German . . . . .	76	2.6	Bulgarian . . . . .	1	
Greek . . . . .	14	.4	Danish . . . . .	2	
Hebrew . . . . .	33	1.0	Icelandic . . . . .	1	
Hungarian . . . . .	36	1.2	Spanish . . . . .	1	.3
Italian . . . . .	48	1.4	Other European . . . . .	1	
Jugo-Slavic . . . . .	33	1.0	Hindu, East Indian . . . . .	1	
Lithuanian . . . . .	7	.2	Armenian . . . . .	1	
Norwegian . . . . .	20	.6			
Polish . . . . .	94	3.2	Total . . . . .	2,982	100%

## SPECIFIC TUBERCULOSIS DEATH RATES BY RACIAL ORIGIN IN ONTARIO 1942

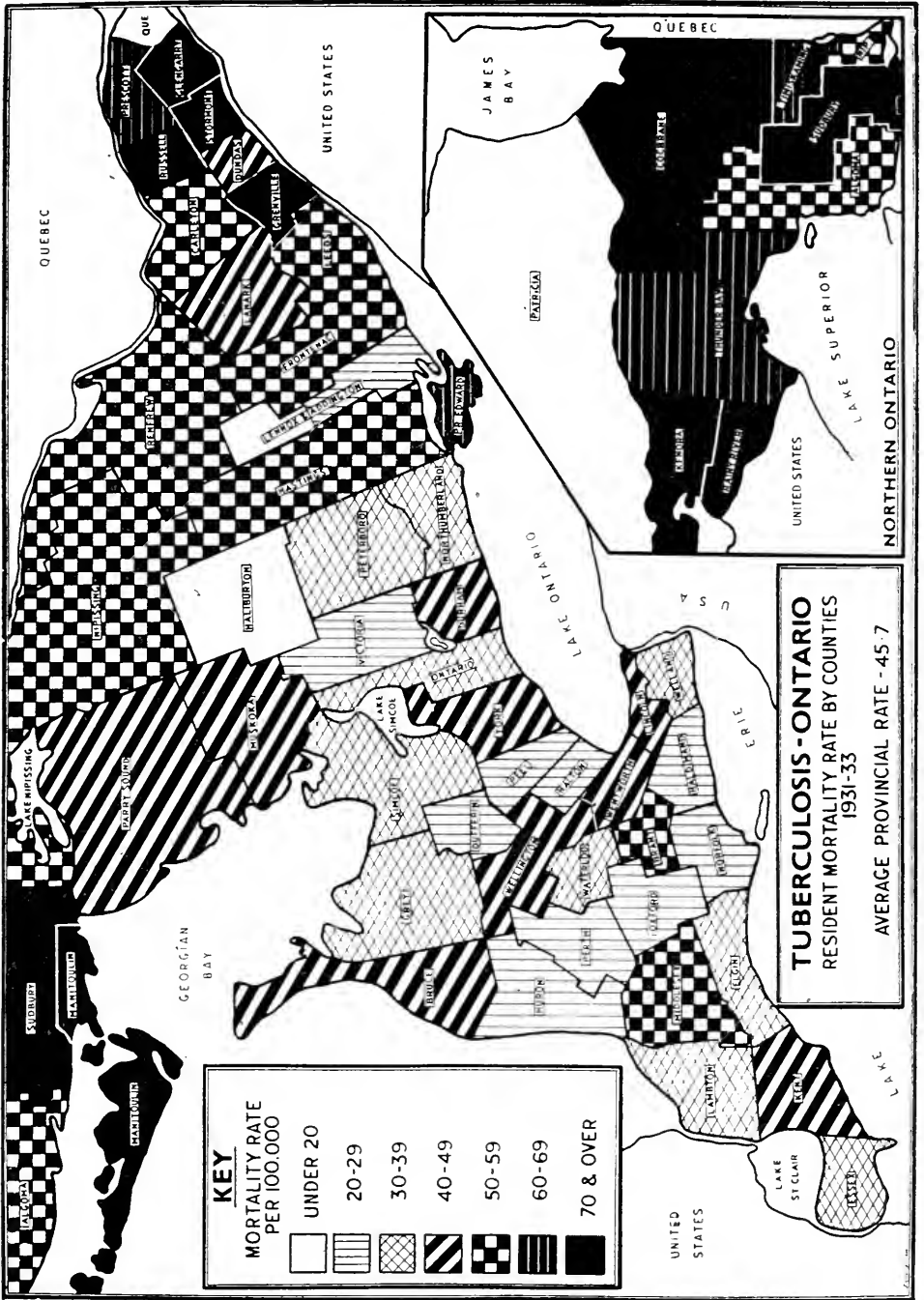
RACIAL ORIGIN	Population 1941 Census	Number of Tuberculosis Deaths	Rate per 100,000 in Each Group
Indian . . . . .	30,339	113	372.1
Chinese . . . . .	6,143	19	309.3
Finnish . . . . .	26,827	29	108.1
Czech and Slovak . . . . .	16,810	16	95.2
Russian . . . . .	11,218	8	71.3
Hungarian . . . . .	22,039	10	45.4
Polish . . . . .	54,893	23	41.9
Roumanian . . . . .	7,826	3	38.3
French . . . . .	373,990	121	32.3
Italian . . . . .	60,085	18	29.9
Ukrainian . . . . .	48,185	14	29.0
Irish . . . . .	665,339	186	27.9
English . . . . .	1,456,968	295	22.5
German . . . . .	167,102	33	19.7
Scotch . . . . .	578,127	111	19.2
Dutch . . . . .	73,001	12	16.4
Scandinavian . . . . .	27,225	4	14.7
Belgian . . . . .	8,575	1	11.6
Jewish . . . . .	69,875	3	4.3
Negro . . . . .	Not Listed	10	
Welsh . . . . .	" "	7	
Greek . . . . .	" "	7	
Swiss . . . . .	" "	3	
Armenian . . . . .	" "	1	
Not Stated . . . . .		26	
Total . . . . .		1,073	

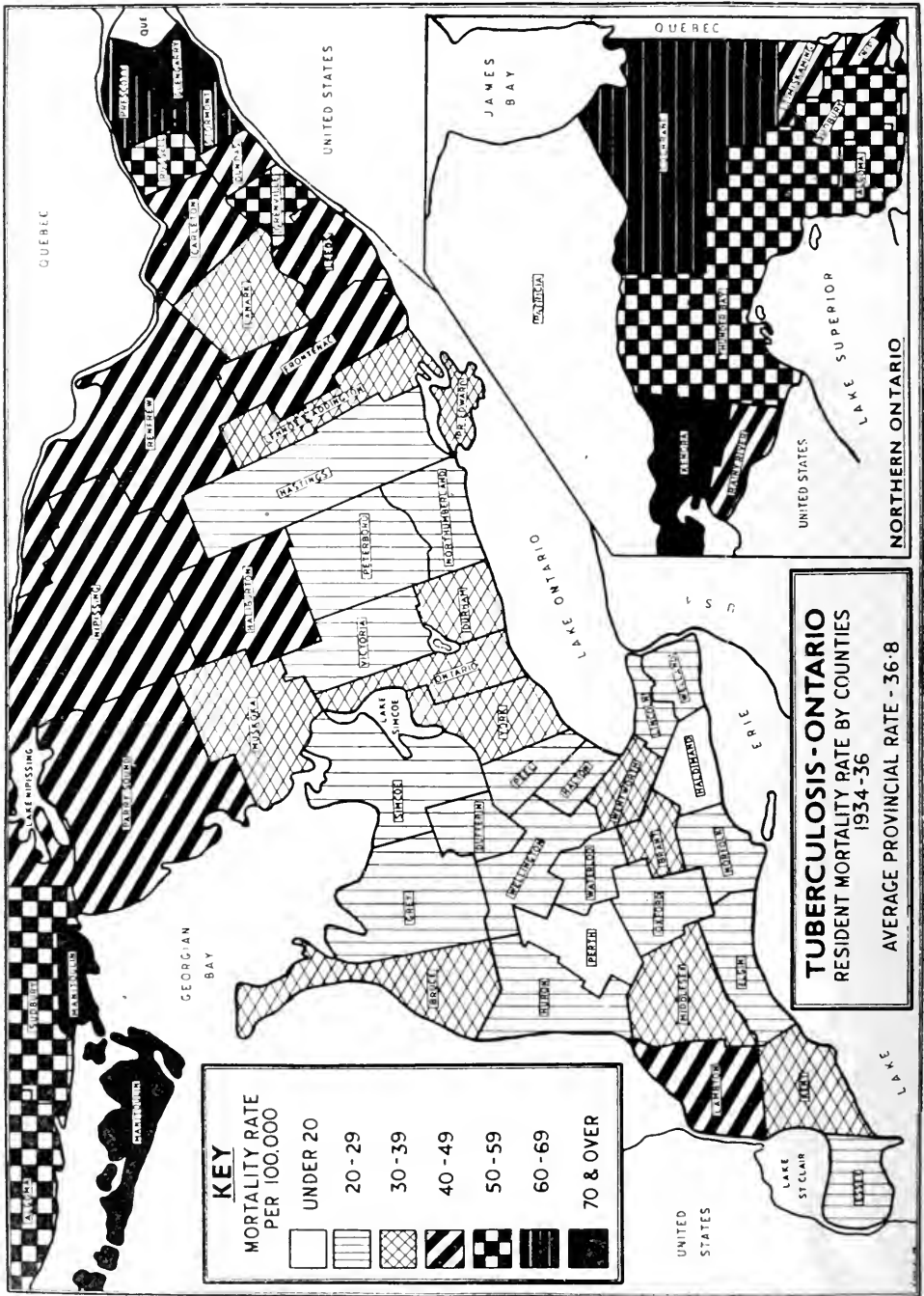
## DEATHS

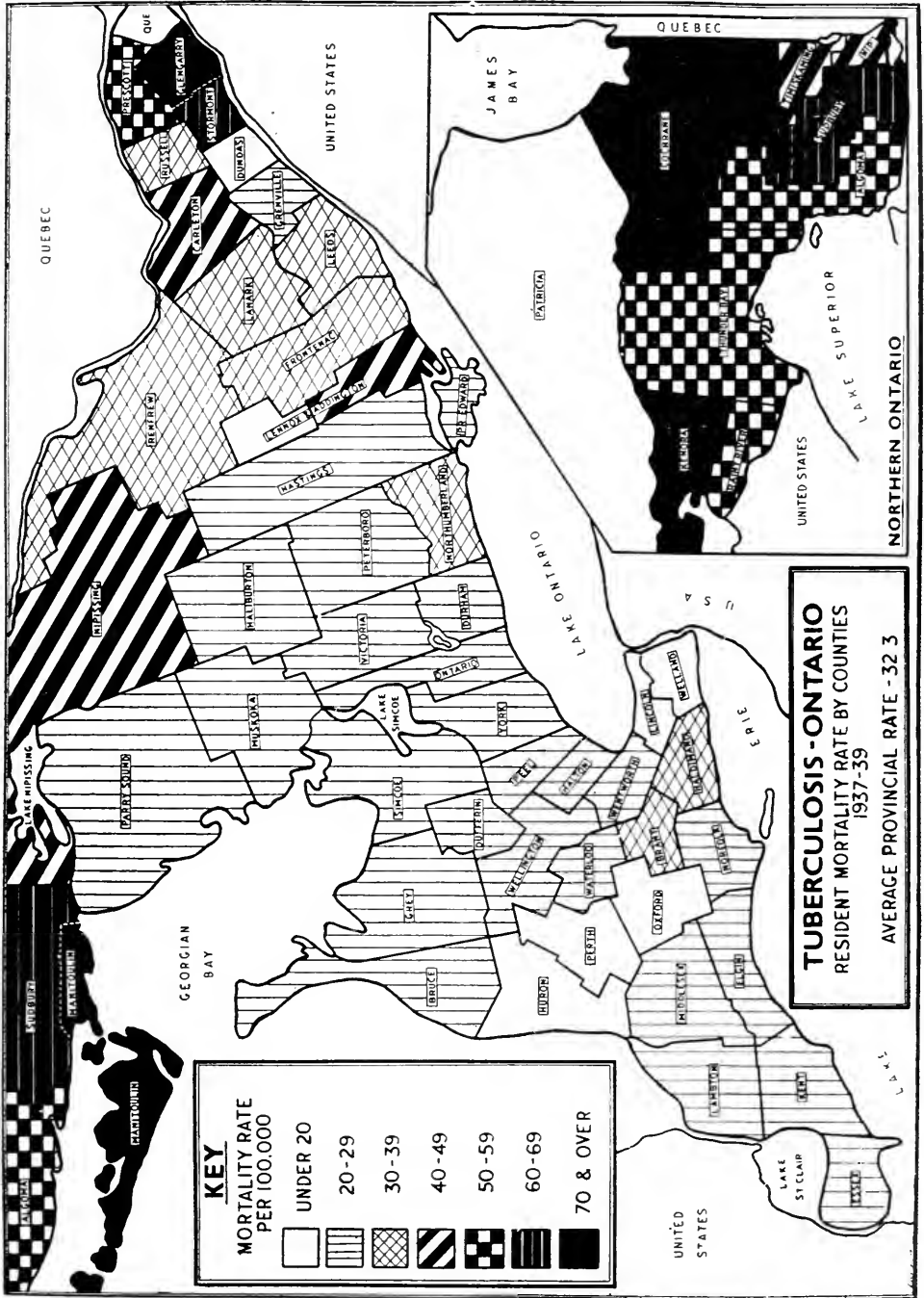
TUBERCULOSIS—PROVINCE OF ONTARIO  
1867-1942

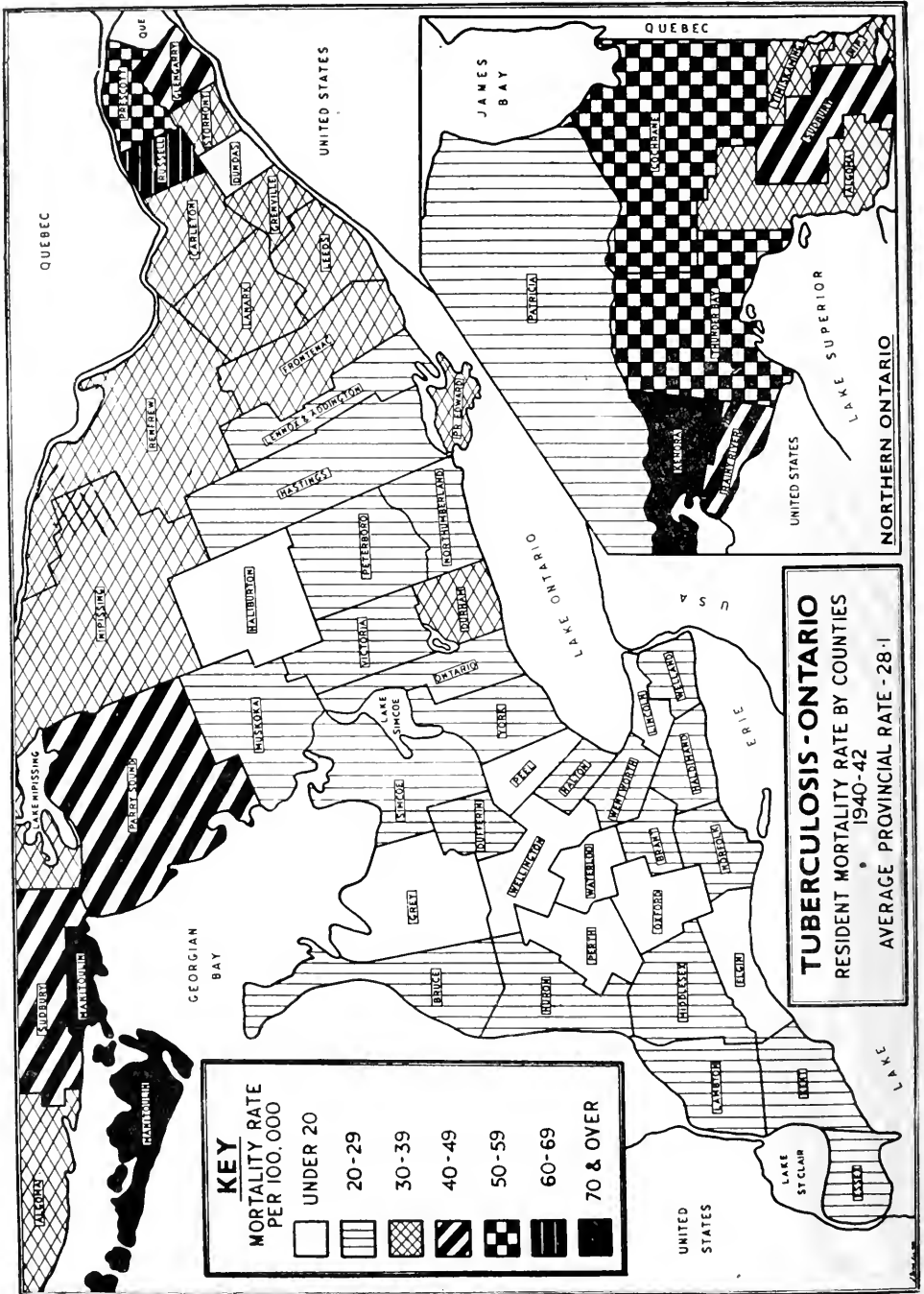
Rates per 100,000 Population)

Year	Total	Rate	Year	Total	Rate
1876	2,517	142.0	1910	2,291	92.0
1877	2,188	121.4	1911	2,353	93.0
1878	2,053	112.1	1912	2,250	87.7
1879	2,104	112.9	1913	2,294	88.0
1880	2,197	116.1	1914	2,340	88.4
1881	2,446	127.1	1915	2,460	91.5
1882	2,591	133.4	1916	2,559	93.7
1883	2,667	136.0	1917	2,460	88.8
1884	2,506	126.5	1918	2,517	89.6
1885	2,499	125.0	1919	2,215	77.7
1886	2,573	127.4	1920	2,280	78.8
1887	2,556	125.4	1921	2,083	71.0
1888	2,551	124.2	1922	1,979	66.4
1889	2,417	116.4	1923	1,989	66.1
1890	2,503	119.4	1924	1,823	59.5
1891	2,379	112.5	1925	1,842	59.3
1892	2,592	122.2	1926	1,835	58.3
1893	2,552	119.9	1927	1,803	55.1
1894	2,379	111.4	1928	1,832	55.9
1895	2,472	115.4	1929	1,703	51.1
1896	2,922	136.0	1930	1,791	52.8
1897	3,154	146.2	1931	1,728	50.4
1898	3,291	152.2	1932	1,604	46.1
1899	3,405	156.9	1933	1,465	41.6
1900	3,484	160.0	1934	1,337	37.5
1901	3,243	148.6	1935	1,303	36.2
1902	2,694	121.5	1936	1,327	35.9
1903	2,723	121.0	1937	1,315	35.4
1904	2,877	125.9	1938	1,327	33.1
1905	2,667	114.9	1939	1,085	28.9
1906	2,911	123.7	1940	1,011	26.8
1907	2,530	106.0	1941	1,100	29.0
1908	2,511	103.7	1942	1,093	28.6
1909	2,380	96.9			

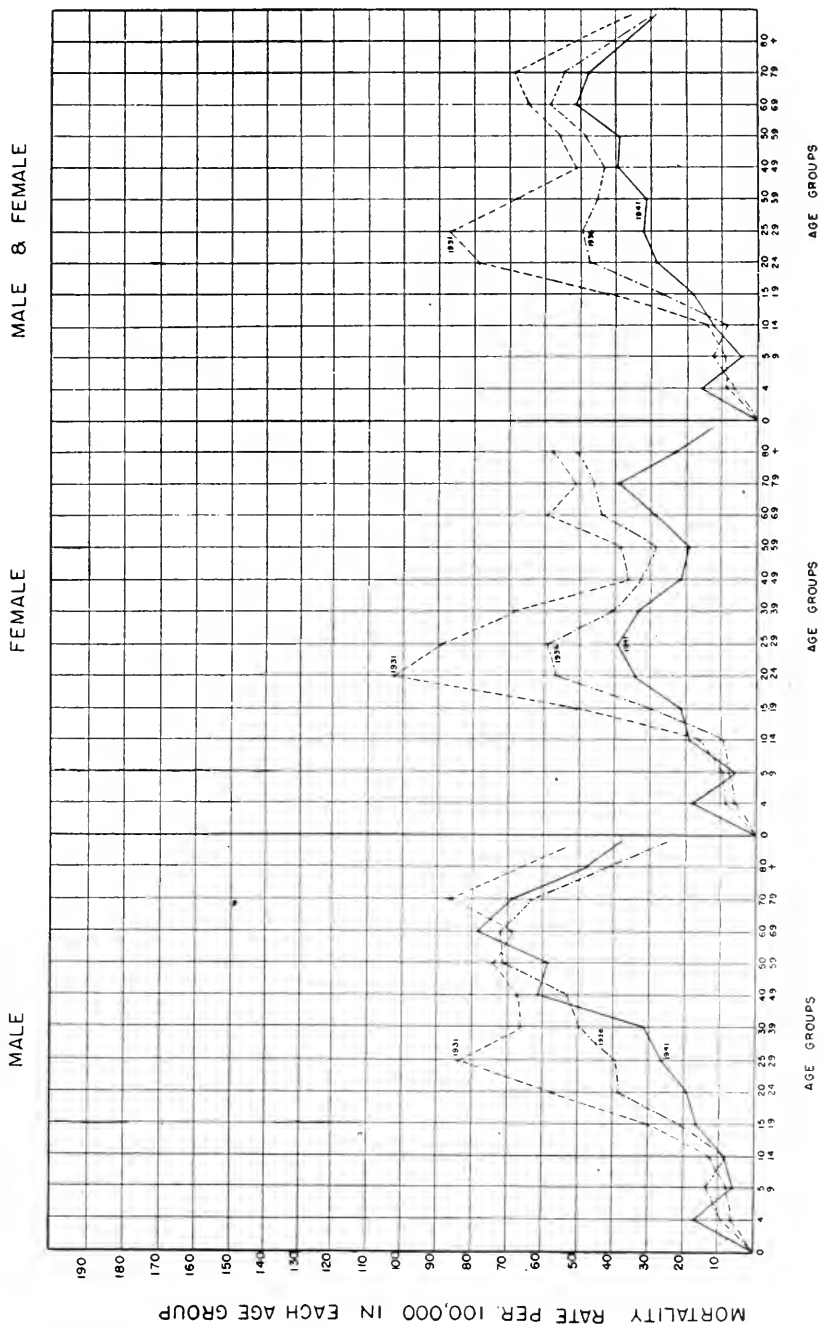






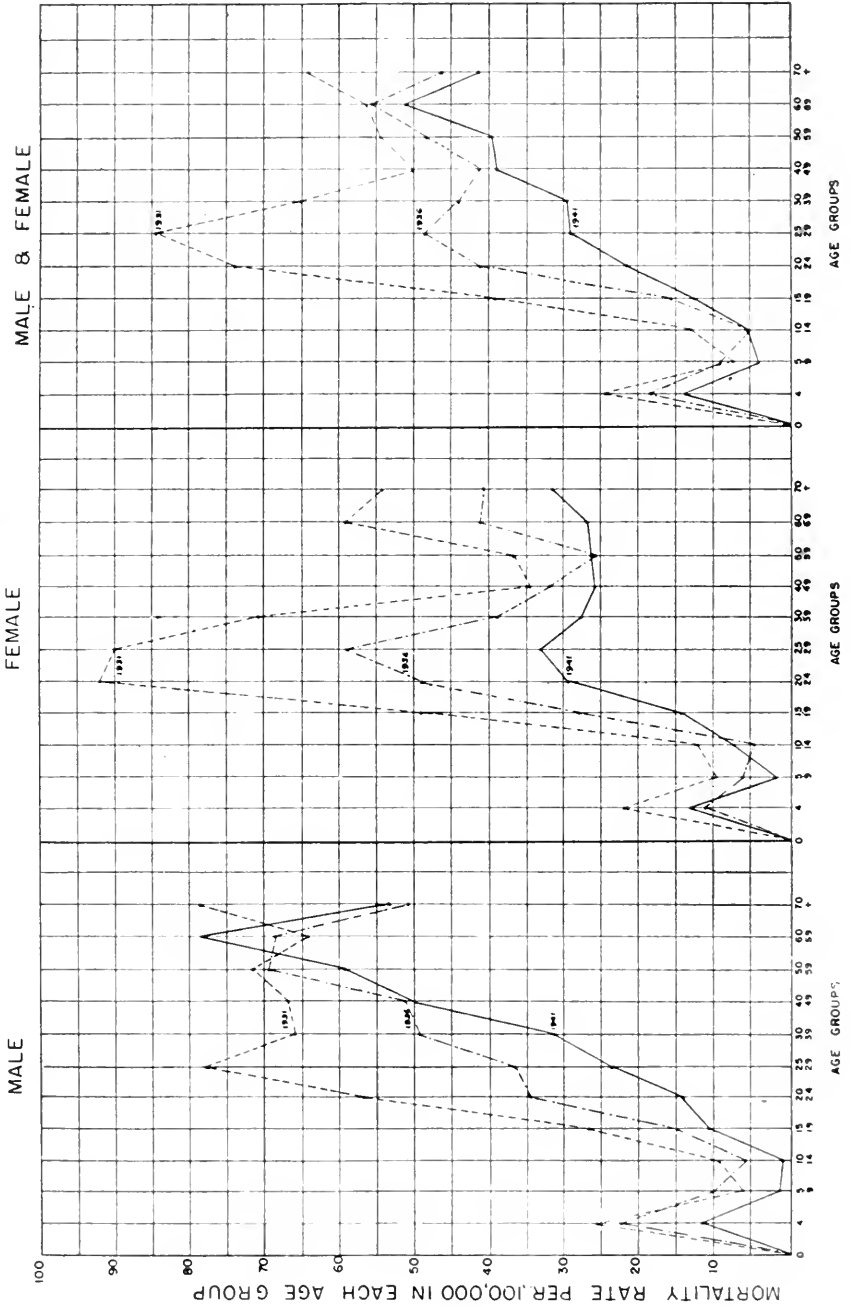


**SPECIFIC TUBERCULOSIS DEATH RATES - ONTARIO  
BY AGE GROUPS  
1931 - 1936 - 1941**



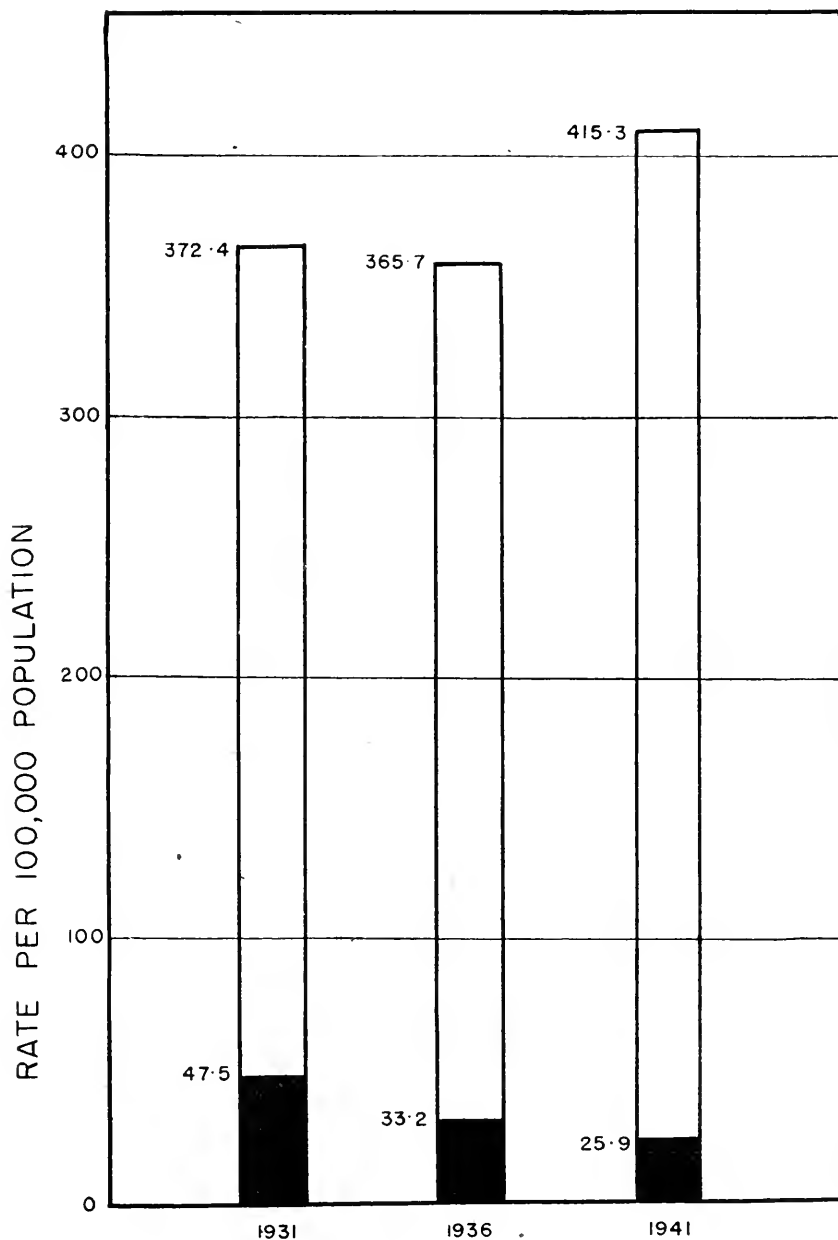
SPECIFIC TUBERCULOSIS DEATH RATES - ONTARIO  
BY AGE GROUPS [EXCLUDING TREATY INDIANS]

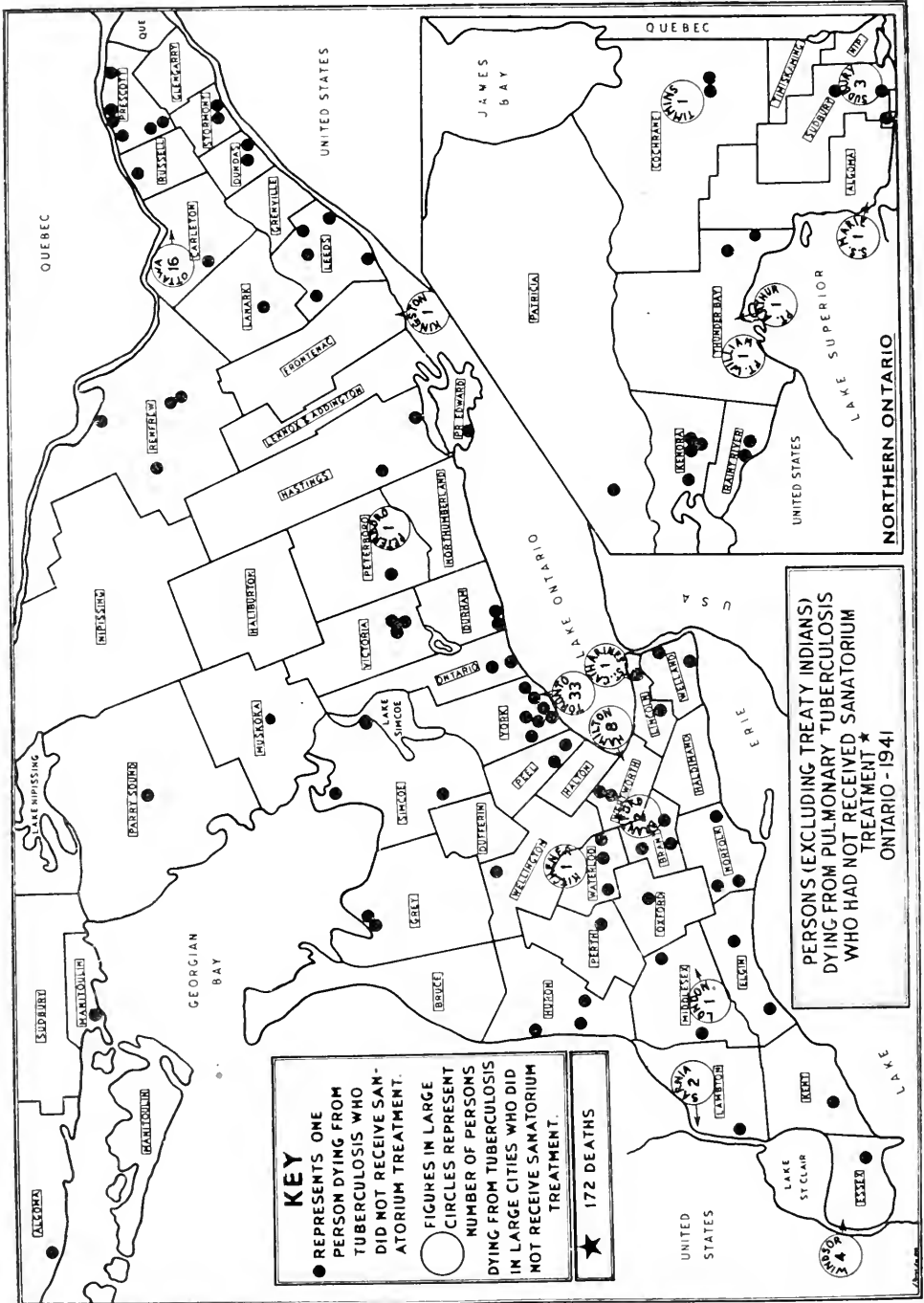
1931 - 1936 - 1941

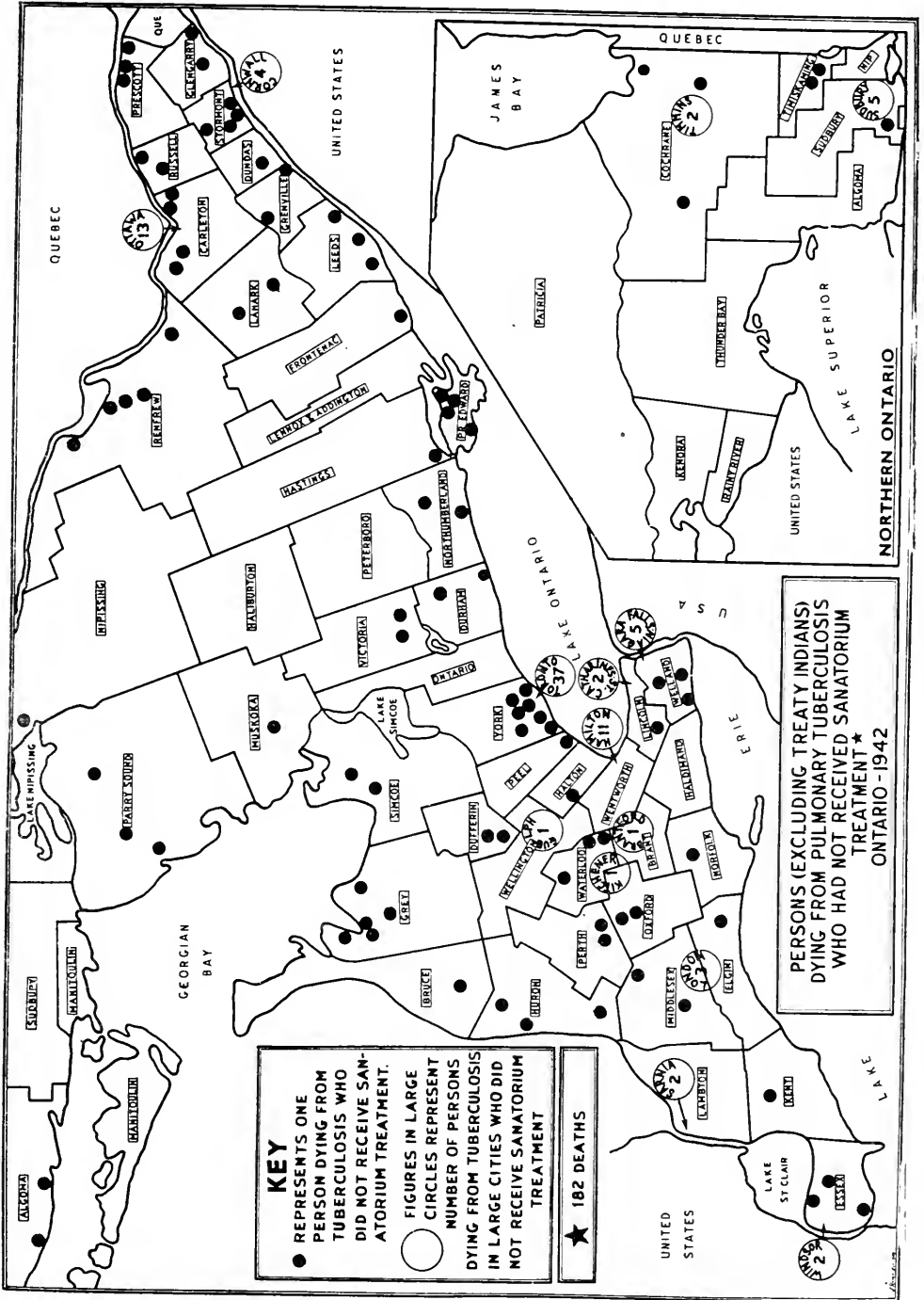




## COMPARATIVE TUBERCULOSIS DEATH RATES TREATY INDIANS AND WHITES







## DIVISION OF INDUSTRIAL HYGIENE

J. G. CUNNINGHAM, M.B., *Director*

## MEDICAL SERVICE:

In the course of the X-ray examination of about 50,000 employees conducted this year for the detection of tuberculosis, the follow-up of suspected cases has been facilitated where industrial physicians are employed. Similarly, if blood testing for the detection of cases of syphilis in industry is to be widely applied so that adequate treatment may be given early and complications avoided, the industrial physician must do it. The suitable placement of those beginning work in industry or returning after demobilization requires his services. The high sickness rate among women employees partly due to the various forms of neurosis, can only be kept under control with this type of medical supervision.

By the Spring of this year in Ontario one-third of employees in manufacturing industry were receiving physical examination and there were fifty-three full-time and 162 part-time physicians and 479 graduate nurses employed on a retainer basis for the supervision of health. This health supervision covered 62,064 women employees in 280 plants. These are apart from the number of "contract" physicians responsible for the treatment of illness of employees in unorganized territory in industries such as mining, pulp and paper manufacture and lumbering. All such appointments have been made on a purely voluntary basis by employers who realize the importance of the maintenance of general health and who have acted accordingly. Many employers still do not appreciate the value of establishing these services and correspondingly many employees are without their benefit.

The Division encourages and supports this development of a health programme within industry by drawing attention to its value and providing assistance to employers in instituting it. About one-third of the visits to factories of its medical staff deal with some aspect of plant health services. This assistance takes the form of the accumulated experience here and elsewhere with industrial health conservation, and advice by trained medical personnel as to the program to be covered and the type of staff, accommodation, and equipment necessary in the factory for carrying it out. The availability of medical personnel under present conditions has retarded the development temporarily, especially in the smaller centres where the proportion of physicians who have left for the Armed Services is higher. Standard forms for recording sickness and accident data have been developed so that the recorded experience here will be comparable with that elsewhere. Assistance is given in the detection and control of special health hazards, using physicians, chemists and engineers of the Division. This part of the Division's work is intended to meet a need which industry can hardly be expected to provide for itself. Experience shows that employees respond to health service in the factory, if it is of a high standard and convenient. These facilities are not intended primarily for the treatment of disease but rather are preventive and yet records in Ontario show that visits to the factory dispensary frequently average five per employee per year for complaints of ill-health: providing an unparalleled opportunity for early recognition of disease and defect. Visits for accident care are additional.

In the conservation of adult health the opportunity should be taken as provided by industry for accessibility, to apply the principles of preventive medicine. At the same time, these measures for control raise the general level of health and increase effectiveness at work.

An industrial nurse consulting service has been added to the Division which keeps in close touch with nurses in industry, so that they may be informed of the procedures which have been most effective in industry elsewhere. To an increasing extent industrial nurses have organized in various communities for their mutual instruction. The provision of part-time nursing services for small factories is important and has received some attention from the Victorian Order of Nurses.

#### OCCUPATIONAL DISEASES:

In thirty-five plants where periodic physical examinations are required under The Factory, Shop and Office Building Act and involving exposure to lead and benzol, there have been three cases of lead poisoning arising out of largely expanded operations—for the recovery of scrap lead and one case of benzol poisoning.

##### *Labelling of Containers:*

Laboratory tests made to determine the effectiveness of the regulations respecting the labelling of containers with lead or benzol, have shown that in nearly every instance manufacturers and distributors have complied. There have been this year two instances where benzol was incorporated in a product for industrial use without labelling. This caused one severe case of benzol poisoning, fortunately not fatal. In both of these instances, the product came from outside the Province and the only control possible under these circumstances is that which can be exercised upon the user, but some delay is inevitable before he or the Department can determine that this hazard exists.

Under the section requiring that bulletins supplied by the Department must be posted at processes where lead or benzol are used, the statement dealing with exposure to lead has been revised to emphasize again, the need for the control of dust and fumes.

##### *Silicosis:*

Laboratory analyses of samples of material used as "parting sands" in iron, steel and brass moulding indicate that the amount of free silica used for this purpose is small whereas ten years ago it was large. It will be some years before the observation can be confirmed, but it is considered that this change in material used will materially reduce the incidence of silicosis in moulders. Provision for periodic physical examination of workers exposed to silica dust in foundries, granite cutting, porcelain manufacture and in other silica trades, as now required in mining, should be arranged as soon after the war as possible. There are a number of these industries which now provide such examinations on a voluntary basis but since chest X-rays are involved, some special arrangement is necessary, particularly for the small factory. In the meantime, many of the X-ray films now taken are submitted to the Division for interpretation and recommendation.

There were four hundred and eighty examinations or re-examinations of claimants for Workmen's Compensation for silicosis. Interpretation of X-ray films in claimants for Compensation for silicosis was made in fifty cases from Nova Scotia, Manitoba, Alberta and British Columbia. The attention of the Ontario Mining Commission has been drawn to the need for some provision for miners who have worked in war industry for more than three years, rendering them ineligible for renewal of their miners' certificates. Provision for those serving in the Armed Services has already been made.

##### *Special Enquiries:*

###### NON-OFFSET SPRAYS—

Attention has been drawn by the Union to the use of "Non-Offset Sprays" in the printing industry where materials are applied by spraying,

to prevent ink from defacing the back of printed sheets. Enquiry in eighteen of these plants showed that in sufficient concentration in the air a mild upper respiratory irritation is produced but of more importance, certain of these sprays contain material to which a few workmen become sensitive, so that asthma-like symptoms are produced. Such workmen require to stay away from this exposure either by leaving a skilled trade, which is a serious matter, or by working in plants which do not use the substances to which the individual is sensitive. The subject is under consideration by employer and employee groups together, with a view to correction of the condition.

#### RADIUM IN DIAL PAINTING—

As part of the effort to control the hazard from radium in dial painting sixty-eight employees were examined, using special equipment to detect its storage, if any, in the body. In only one instance was any indication present. The workman was removed from exposure. In this process individual habits of cleanliness are as essential as other measures for protection.

#### PHTHALIC ANHYDRIDE—

A small group of workers exposed to phthalic anhydride and dibutyl phthalate was examined. One of these with severe asthma-like symptoms gave a positive skin test to phthalic anhydride.

#### FLUORINE—

A fluorine exposure associated with the manufacture of vitreous enamel showing amounts up to 4.8 parts per million hydrofluoric acid in air presented no findings in workmen employed for as long as thirteen years. X-ray films of long bones, pelvis and chest were negative. There were no acute symptoms. Tests for fluorine were made at aluminium welding operations where sodium fluoride was used as a flux. The highest concentration encountered was 1.9 parts per million hydrofluoric acid. The maximum allowable concentration is given as three parts per million hydrofluoric acid.

#### TETRYL AND TRINITROTOLUENE—

Air sampling at tetryl and T.N.T. operations before and after ventilation showed marked improvement. The record here with T.N.T. poisoning in this war is excellent, in sharp contrast to the experience in the last war in Great Britain; this is due to mechanical and engineering control measures taken by the explosive and shell-filling industries.

#### MAGNESIUM

There has been no indication of injury to health in the refining or processing of magnesium alone or as an alloy. Gas production in wounds from this metal has not been observed under operating conditions.

#### OCCUPATIONAL SKIN ERUPTION—

Occupational skin eruption is high in incidence, but it is so readily confused with other skin conditions to which all are subject, that considerable diagnostic skill and knowledge of industrial process is necessary to determine how far occupation contributes. The changed conditions of employment which have affected many in regard to skin eruption, are well illustrated in the exposure of polishers and grinders to brass dust. While those experienced in these trades have had little or no difficulty, new employees who allow fine dust to permeate their clothing, without frequent washing of the exposed parts and change of clothing, suffer from irritative eruptions which are uncomfortable and slow to heal. The control of dust,

the provision of adequate washing facilities and the maintenance of protective clothing are important in the control of skin eruption.

#### SYNTHETIC RESINS—

The synthetic resins, particularly urea formaldehyde and phenol formaldehyde types, used in preparing glue for the manufacture of ply-wood have been the cause of considerable skin irritation. The increasing use of synthetic rubber in cements is the cause of a similar condition. This was the subject of special enquiry.

#### PHYSICAL EXAMINATIONS:

Apart from those examined on account of silica, lead, carbon tetrachloride, benzol or skin exposures, there were 541 cases reviewed from various Boards: Mothers' Allowances Board, 191; Appeal Board, 22; Veterans' Guard Board, 5; Hospital and Employment Board, 120; Superannuation Cases, 14; Mine Certificates Renewed, 8; Normal School Students, 160; and College of Education, 21.

#### CASES OF TUBERCULOSIS DISCOVERED BY GEOGRAPHICAL AREA—

The geographical distribution of 48,127 employees who received small film X-rays was: Toronto, 22,800; Kitchener, 12,469; Hamilton, 5,344; Brantford, 2,832; Kingston, 2,745; Niagara Falls, 1,773; Simcoe area, 164.

Five hundred and ninety-one cases of tuberculosis were found in the total number of persons examined. An estimation of the degree of activity was made from the reading of the X-ray films in each case discovered and recommendations were made for follow-up of cases by the plant physician or the local Medical Officer of Health.

#### ESTIMATION OF DEGREE OF ACTIVITY

Probably active.....	128	.266%
Doubtful activity.....	134	.278%
Apparently old.....	329	.684%
Total.....	591	1.228%

Fifty-three of these cases are already in Sanatorium for treatment. Complete follow-up information is not yet available but these cases are being observed and probably more of them will require sanatorium treatment.

During the reading of the films many non-tuberculous conditions were found:

Pneumonia (Lobar and Broncho).....	44 cases
Bronchiectasis.....	26 cases
New Growths and Cysts.....	20 cases

Abnormalities of the heart and great vessels were relatively common, 559 cases being noted. Of these, seven cases of dextracardia were found.

Cases of silicosis were recognized in the small films. Occasional cases of fungus infection were discovered.

#### CHEMICAL LABORATORY:

There have been analyzed about 800 samples of materials from twenty-five types of industry covering 187 companies and involving ninety-two visits to factories for observation or collection of air samples (Tables I and II). They cover a variety of health hazards (Table II). The source of enquiry is noted in Table III and shows how employer, employee, physicians, and Government services have used the laboratory facilities of the Division. This situation applies

equally to the medical and engineering service available, e.g., 139 different physicians sent blood smears taken from employees for examination.

TABLE I  
SUMMARY OF LABORATORY WORK

No. of Samples	NATURE OF SAMPLES	HAZARD
104 40 71 3 3 2 4	Urine..... Paints and lacquers..... Air samples and dust..... Metallurgical..... Ceramic..... Biological..... Miscellaneous.....	Lead
37 2	Air..... Miscellaneous.....	Mercury
5 1	Air..... Metal.....	Zinc
1 1	Gloves..... Miscellaneous.....	Chromium
10 10	Urine, hair and finger nails..... Metallurgical.....	Arsenic
4 12	Air..... Urine.....	Antimony
2	Air.....	Phosphorus
1 21 1	Biological..... Air..... Dust.....	Fluorine
46 24 20 18 4 16 8	Air..... Dust..... Rocks and minerals..... Partines..... Abrasives..... Lungs..... Miscellaneous.....	Silica
59 39 3 1 6	Paints, lacquers and cements..... Solvents and diluents..... Air..... Urine..... Miscellaneous.....	Benzol
6 1 8	Solvents..... Lacquers..... Air.....	Chlorinated hydrocarbons
6 2 4 4	Solvents..... Oil-set spray..... Air..... Paints.....	Methyl alcohol
4	Air.....	Hydrocyanic acid
5 2	Cutting oils..... Miscellaneous.....	Hydrogen sulphide



TABLE I—Continued  
SUMMARY OF LABORATORY WORK

No. of Samples	NATURE OF SAMPLES	HAZARD
43 16	Blood..... Air.....	Carbon monoxide
8	Air.....	
1 44 7	Clothing..... Air..... Blood.....	Nitro compounds
1 19 1 1 1 5	Oils and fats..... Cutting oils..... Textiles..... Solvents..... Acids and alkalis..... Miscellaneous.....	
12 3 2 7	Soaps..... Solvents..... Paints and lacquers..... Miscellaneous.....	Acid and alkali
3 7 3	Solvents..... Paints and lacquers..... Miscellaneous.....	
805		Fire hazard

TABLE II  
ANALYSES AND FACTORY INSPECTIONS FOR LABORATORY ENQUIRY

TYPE OF INDUSTRY	ANALYSES		INSPECTIONS		HAZARD
	No. of S'ples	No. of Companies	No. of Visits	No. of Companies	
Abrasives.....	15	3	4	3	Silica
Aircraft.....	40	11	3	2	Lead, solvents, fluorine, etc.
Army.....	57	7	1	1	Lead, carbon monoxide, solvents, etc.
Automobile.....	33	8	7	7	Lead, solvents, cutting oils, etc.
Battery.....	13	4	1	1	Lead
Ceramic.....	45	6	6	4	Silica, fluorine, lead
Chemical.....	38	11	9	8	Lead, antimony, etc.
Clothing.....	8	5	1	1	Skin rash
Electrical equipment.....	38	6	5	2	Lead, solvents, metals, etc.
Explosives.....	101	3	6	2	Oxides of nitrogen, nitro compounds, carbon monoxide
Foods and food treatment.....	22	6	6	5	Mercury, etc.
Foundry and foundry supply.....	66	19	3	3	Silica, etc.
Furniture.....	5	2	1	1	Lead, solvents, etc.
Leather.....	27	14	0	0	Benzol
Machinery.....	66	19	5	4	Cutting oils, etc.
Metallurgical.....	56	10	8	6	Lead
Mines and quarries.....	15	12	1	1	Silica, arsenic, etc.
Oil.....	1	1	0	0	Skin rash
Paints.....	3	2	1	1	Lead, solvents, benzol
Printing.....	20	10	10	9	Lead, methyl alcohol, carbon monoxide.
R.C.A.F.....	13	7	0	0	Lead, solvents, carbon monoxide
Rubber.....	19	3	1	1	Benzol, lead, solvents, silica, etc.
Ship building.....	23	3	0	0	Lead, solvents, etc.
Textile.....	6	4	5	1	Skin rash
Toy.....	10	1	1	1	Lead
Miscellaneous.....	20	10	7	7	Miscellaneous
Unknown.....	45	...	...	...	Chiefly lead and arsenic
TOTAL.....	805	187	92	71	

TABLE III  
SOURCES OF SAMPLES AND FACTORY VISITS OF LABORATORY STAFF

ORIGINAL SOURCE OF REQUEST	Number of Samples	Number of Visits
Canadian Army.....	50	2
Department of Agriculture (Ontario).....	19	5
Department of Health (Ontario).....	124	21
Department of Labour (Ontario).....	168	18
Industrial Accident Prevention Associations.....	22	4
Industry.....	217	18
Municipality.....	16	6
Private physicians.....	68	2
Royal Canadian Air Force.....	13	0
Trade Unions.....	36	9
Workmen's Compensation Board (Ontario).....	72	7
TOTALS.....	805	92

#### ENGINEERING CONTROL OF CONDITIONS OF WORK:

Throughout the Division's work close contact is maintained with the Workmen's Compensation Board, the Industrial Accident Prevention Associations and the Factory Inspection Branch of the Department of Labour, but especially with the Factory Inspection Branch as far as engineering control of health hazards is concerned. Plans for new industrial construction submitted to the Department of Labour are reviewed with them from the standpoint of health hazards. It is desirable that such review be extended to new plans for process through a provision in The Factory, Shop and Office Building Act. To an increasing extent employers are requesting advice at this stage when necessary corrections are least expensive—and most readily effected. The variety of hazards and source of enquiry is shown in Table IV. Largely increased staff of this type is necessary but not available at present.

REASON	VISIT REQUESTED BY							
	D.I.H.	F.I.B.	W.C.B.	M.O.H.	I.A.P.A.	Co.	Union	Total
Acetylene Gas	...	1	...	...	...	...	...	1
Acrylic Acid	...	1	...	...	...	...	...	1
Ammonia Fumes	...	1	...	...	...	...	...	1
Antimony Sulphide	1	...	...	...	...	...	...	1
Benzol	...	5	1	...	...	4	...	10
Brass Fumes	...	3	...	...	...	3	...	6
Carbon Monoxide	...	...	...	...	...	1	...	1
Ceresan	1	...	...	...	...	...	...	1
Dermatitis	...	1	2	...	...	1	...	4
Dust (Nuisance)	1	1	...	...	...	6	...	8
Electroplating	...	...	...	...	...	1	...	1
First Aid	...	...	...	...	...	3	...	3
Fluorine	1	...	...	...	...	1	...	2
General Survey	...	...	...	...	...	4	...	4
General Ventilation	...	...	...	...	...	4	...	4
Humidity	...	...	...	1	...	...	...	1
Lead Fumes	4	...	1	...	...	...	1	6
Magnesium Dust	...	1	...	...	...	...	...	1
Nitrous Fumes	...	1	...	...	...	1	...	2
Noise	...	...	...	4	...	...	...	4
Non-Offset Spray	13	...	...	...	...	...	5	18
Phthalic Anhydride	...	...	...	...	...	1	...	1
Radium	4	...	...	...	...	5	...	9
Scalping	...	1	...	...	...	...	...	1
Silica	1	3	3	...	...	1	...	8
Spray Painting	1	4	...	...	...	1	1	7
Sulphur Fumes	...	...	1	...	...	...	...	1
Trichlorethylene	...	...	...	...	...	2	...	2
Welding Fumes	...	3	...	...	...	1	...	4
X-ray (Commercial)	...	...	...	...	1	2	...	3
X-ray (Medical)	4	...	...	...	...	...	...	4
TOTAL	32	26	8	5	1	42	7	120

LEGEND: D.I.H.—Division of Industrial Hygiene. F.I.B.—Factory Inspection Branch. W.C.B.—Workmen's Compensation Board. M.O.H.—Medical Officer of Health or Private Physicians. I.A.P.A.—Industrial Accident Prevention Association. Co.—Company's Representative. Union—Authorized Member of a Workmen's Union.

*Cafeterias in Industry:*

Sanitary inspection of factory cafeterias has emphasized the need for close attention to maintenance, if food poisoning is to be avoided. Items of importance are the temperature of water for washing and drying dishes, adequate refrigeration, especially of meat and dairy products, screening against flies, garbage disposal, good housekeeping and convenient and clean sanitary facilities for cafeteria employees. Recommendations have been made and largely carried out where catering companies operate but many small factories require better maintenance for food facilities.

## LITERATURE AND ADDRESSES:

"Occupational Diseases," delivered by Dr. A. R. Riddell at the Course on "Safety" arranged by the Industrial Accident Prevention Association at Toronto, London and Sarnia.

"Miniature Chest Photo-radiography," by Dr. A. R. Riddell, published in "Health."

"Health Service in Industry," by Dr. J. G. Cunningham and Dr. J. R. Card, delivered to public meetings held by the Health League of Canada in Hamilton, Toronto, London and Kitchener.

"The General Practitioner as an Industrial Physician," by Dr. J. G. Cunningham at Academy of Medicine Meeting, February, 1943.

"Industrial Health," programme prepared by Dr. J. G. Cunningham for Refresher Course for Industrial Physicians held at University of Toronto and attended by representatives from all industrial centres in Ontario.

"Civil Defence in Industry," presented by Dr. C. H. Wilson to the medical section of the Ontario Civilian Defence Conference.

"First Aid in Nursing of Gas Casualties," delivered by Dr. C. H. Wilson to Instructors of Nursing in Toronto Hospitals.

"Keep the Worker's Health," by Dr. C. H. Wilson, published in the Manufacturing and Industrial Engineering Journal.

"Conditions of Work," by Dr. W. H. Cruickshank, delivered at the Annual Meeting of the Canadian Public Health Association.

"The Personnel Director's Responsibility for the Health of Employees," delivered by Dr. J. G. Cunningham, programme prepared for one-day session of industrial physicians and nurses (Ontario and Quebec) to discuss medical administrative problems under the auspices of the Canadian Aircraft Industry Relations Committee of Toronto.

An Exhibit was prepared for the "Fair for Britain" in August, 1943, dealing with industrial health problems.

## FUMIGATION—CYANIDE REGULATIONS:

There are twenty-eight household licenses and fifteen commercial licenses in effect for the use of cyanide compounds for fumigation as provided by the regulations. Each applicant for license must be recommended by the local Medical Officer of Health and is examined verbally by a representative of the Department to ensure his knowledge of the procedure and the hazards, and his general trustworthiness. It is hardly to be expected that gas fumigation will improve from the standpoint of effectiveness in the control of vermin and safety to the public and to fumigators, until after the war. Hydrocyanic acid gas is most effective for this purpose but dangerous to handle.

In spite of detailed regulations and their enforcement, two deaths have occurred this year in a cyanide fumigation conducted by a licensed operator of long experience and no previous record of accident. At present, children under ten years of age may not re-enter fumigated premises until the next day but consideration is being given to the extension of this provision to adults as well. In Toronto alone there were 1,500 cyanide fumigations this year. Where infestation is heavy the use of this compound is almost imperative and each added restriction reduces its use.

#### BEDDING REGULATIONS:

The shortages of materials and further restrictions introduced during the year led to a change in the bedding regulations and many changes in the industry. During the latter part of the year all feathers except from chicken were "frozen" for the making of sleeping bags and other articles for the use of the armed services. Before that time, however, new goose and duck feathers were not obtainable in sufficient quantities to meet the demand and the manufacturers of feather products approached the Department to change the regulations so that "second-hand" might be used if reprocessed in an approved manner. An amendment to the regulations was made in May and the use of a "grey" label was approved by Order-in-Council on articles containing used feathers or hair which have been treated in an approved manner. This label states, "This article contains reprocessed material." Nine feather renovating plants have been approved for the use of these labels—six in Toronto, one in Windsor and two in Montreal.

An illustration of changed conditions as they affect the enforcement of these regulations follows: Cotton linters have been in short supply because of "freezing" orders and manufacturers have had to use more mill wastes to make felt. There has been a ready supply of longer staple second-hand cotton on the American market and several train carloads were sold in this country as new material but only one carload was known to have entered this country as new material. Manufacturers being informed about this cotton not being new cancelled their orders.

In twenty-nine retail stores a total of 292 articles were placed "off-sale" or ordered held for proper labelling and thirty-one bales of upholstery felt were returned to the supplier by chesterfield manufacturers as it was purchased for new material and the laboratory tests showed it to contain second-hand material.

The following is a list of the articles found not labelled according to the regulations:

	Manufactured in Ontario	Outside Ontario
Chesterfields and Chairs . . . . .	177 (76 sets)	24 (8 sets)
Studios . . . . .	18	10
Mattresses . . . . .	39	21
Pillows . . . . .	—	3
	234	58

They were labelled later as required, when the necessary labels were received from the manufacturers or the retailer's own second-hand label affixed. Of these, forty-three were labelled "off-sale" and held until the off-sale tags were removed by a bedding inspector or the local sanitary inspector. In the other cases the retailer or manufacturer was warned not to sell these articles until labelled as set out in the regulations. These retailers or the manufacturers notified the inspector when this was done. Articles were not returned to the manufacturers as the retailers were reluctant to do this since most merchandise could only be purchased on a quota basis and was difficult to replace. In the majority of

cases the labelling was defective either because the labels were left off the cushions of chesterfields or improperly attached to mattresses, mattress bases and studios. This was often attributed to new or inexperienced help by the manufacturers. Labels were difficult to obtain at times due to the scarcity of special cloth required.

In one thousand visits of inspection the number of articles not labelled having their origin outside the Province is shown to be small, as is also the proportion of Ontario retailers presenting goods which required to be put "off sale." In the main, the co-operation of manufacturers and retailers is excellent.

The chemical tests which have been developed by the Division Laboratory for use in enforcing the regulations are satisfactory so that there is reluctance to alter the definitions of materials outlined in the regulations. Manufacturers realize this and co-operate in trying to meet temporary difficulties.

### LABORATORY ANALYSES

#### NUMBER AND NATURE OF DETERMINATIONS

Ammonia.....	43
Urea.....	43
Sulphate.....	43
Chloride.....	33
Fluorescence.....	221
pH.....	126
Total Determinations.....	509

#### NUMBER AND NATURE OF COMPANIES FROM WHICH SAMPLES RECEIVED

	Toronto	Ontario	Outside	Total
Mattress Manufacturers.....	17	4	..	21
Upholsters.....	20	6	..	26
Wholesalers and Supply Houses.....	9	4	1	14
Total.....	..	..	..	61

### UNORGANIZED TERRITORY REGULATIONS:

During the year there has been considerable extension in arrangements for medical care especially in the mining population. Deductions from wages now more frequently cover also the care of dependents and at the same time the fund is augmented by contributions from employers. Most of those covered are located near centres of population so that choice of physician is retained while this is not the case under the "contract" system.

The number of contract physicians is reduced since the war but the needs of employees have been met. In a few instances, some difficulty was experienced in obtaining physicians.

#### *Report of the Chief Sanitary Inspector*

During the year every effort has been made by the Sanitary Inspection staff to meet the exceptional conditions brought about by the War. Four of the Sanitary Inspectors are now in military service, Major A. S. O'Hara and Lieut. S. Harris, overseas; Staff Sgt. D. Moore and G. Powell, serving at present with the Hygiene Section, R.C.A.M.C., in Canada. The demand for trained sanitary

inspectors in the overseas Hygiene Section of the R.C.A.M.C. has made some difficulty in obtaining the required personnel. To meet these conditions, some changes were made in the judicial districts covered by the inspectors.

The population of the ten Northern Districts covered by the sanitary inspectors is 529,979. Of this number, 270,861 reside in the territorial districts without municipal organization. There is also a large floating population brought into these areas for seasonal employment, such as lumber, mining, construction, tourist trade and other subsidiary occupations.

The sanitary inspector's work is divided equally between the various seasonal industrial camps, where large groups of workmen are employed, and the sanitary supervision of unorganized towns and villages without local organization. The latter work involves inspections of public and private drinking water supplies, milk supplies, restaurants, butcher shops, and other food establishments. The question of a satisfactory garbage collection and disposal is still a problem in many of the larger unorganized communities.

Employers' information forms, and other records, received on or before commencement of operation report that 32,955 workmen were employed in the following industrial camps in the year.

Industry	No. of Operators	No. of Camps	No. of Men Employed
Lumber Camps. . . . .	133	229	8,677
Pulpwood Camps. . . . .	50	217	12,034
Sawmill Camps. . . . .	53	53	1,719
Mining Camps. . . . .	42	35	9,427
Construction Camps. . . . .	8	10	1,098
	286	544	32,955

The above figures do not include the German prisoners of war now employed cutting pulpwood or a group of Japanese employed on construction work at Schrieber.

With the present dearth of experienced labour combined with the increased demands for wood products, many logging camps were operating for the twelve months rather than for the usual six months winter operations. In lumber and pulpwood camps, 20,711 workmen were employed during the year against 28,883 during 1942.

#### *Mining, Smelting and Sintering Plants:*

During the year, there were forty-two mining companies operating thirty-five camps employing 9,472 workmen, all located in the unorganized districts and operating twelve months. These camps were inspected at regular intervals. Up until the end of the year, fifteen of these companies had made application to the Department for approval under the regulations for the establishment and maintenance of an industrial group medical service, to include medical, surgical and hospital care of the workman, his family and dependents.

#### *Construction Camps:*

The Hydro-Electric development project, Ogoke River, north of Ferland, on the C.N.R., employing approximately 600 workmen, was completed in the Fall. Work on the transmission line from Port Arthur to Steep Rock gave employment to 400 workmen during the summer months. The first phase of the Steep Rock development was launched early in the spring, employing about 700 workmen. When the drainage project is completed, open pit mining will com-



mence with the ultimate development of a permanent townsite in that area. A physician is located full time at this camp.

*Medical Care and Sanitary Supervision:*

There were 105 industrial contract doctors employed during the year, with 226 medical and sanitation contracts, which were submitted for approval to the Department. The contract physicians have worked in very close co-operation with the District Sanitary Inspectors in the sanitary supervision of the camps, and have contributed in no small measure to the continued absence of typhoid fever and other communicable diseases in these improvised living quarters during the summer and fall.

The following figures will show the amount of work reported by the physicians in the medical care of workmen and the sanitary supervision of the camps during the year:

Number of Medical and Sanitation Contracts	Number of Contract Physicians	Number of Assistant Physicians	Physicians' Reports	Inspectors' Reports
226	105	40	2,623	711
MEDICAL SERVICE RENDERED BY CONTRACT PHYSICIANS				
Number of Workmen Treated	Physical Examinations	Communicable Diseases	Immunizations	
23,529	5,409	2,154	871	

*Sanitary Supervision of Unorganized Communities:*

Public notices are placed in all these unorganized communities instructing the householders and others regarding the cleaning of premises, yards, and lanes, of refuse, etc. Ample time is given to allow for this work to be completed before the inspector makes his sanitary survey, which is usually not earlier than fourteen days after the notices have been sent out. Complaints are now sent in quite frequently from these communities during the summer months in regard to sanitation or to nuisances arising. Since there is no local organization, the sanitary inspectors are called in to enforce *The Public Health Act*. In many of the organized municipalities the Provincial Sanitary Inspectors are called upon by the Medical Officers of Health and the Local Boards of Health for guidance and assistance in the enforcement of *The Public Health Act*.

*Communicable Diseases:*

In the unorganized territorial districts, the inspectors have made 876 investigations respecting venereal disease, tuberculosis, recording and checking known typhoid fever carriers, and other outbreaks of communicable disease.

*Tourist Camp Investigation:*

Routine inspections were made of the various tourist homes, resorts, road houses, motor tourist camps and the many organized group recreational camps. Efforts have been made to have the latter camps and the drinking water and milk supplies checked before occupation and, if possible, again during occupation.

*Sanitary Supervision of Industrial Restaurants:*

During the summer months, Mr. J. J. Carney, Sanitary Inspector, was engaged on the temporary staff for four months to make a sanitary survey of industrial restaurants and cafeterias. It is quite evident that in many instances eating utensils were not properly sterilized, showing a high bacteria count. Apparently, an efficient dishwasher is not recognized as an important part of the kitchen personnel by many of the restaurant operators. The principles of sanitation of dishes is the same whether this work is done by hand in a three compartment sink or by a washing machine. There should be an ample supply of rinse water at a temperature not less than 180°F. and dishes should be immersed for three minutes, thus eliminating re-contamination by towelling or otherwise.

## CANCER CONTROL

The analysis of cases of cancer treated at the seven radiotherapy clinics appears elsewhere in the Report but this cannot be as detailed as before due to depletion of the statistical staff.

Dr. Geo. S. Young has been retained to make a survey of these clinics with a view to recommendations for implementing the Government's part in the programme for the early and adequate care of cancer cases. A report is being submitted.

The physicists in the Division of Industrial Hygiene have checked the output of X-ray equipment used for the treatment of cancer in the clinics and otherwise assisted them with physical problems as far as time would permit. Staff with training in physics is at a premium.

One ten-milligram radium needle lost in one clinic was recovered, using the Geiger-Mueller Counter. One one-milligram radium needle lost at another clinic was not found.

The radium emanation plant was operated by the Department at capacity through the year. Radon was distributed as follows:

RECIPIENT OF ORDERS	Total Orders Sent	Total Number of Seeds	Total Millicuries
Toronto General Hospital.....	145	4,069	4,093.2
London Victoria Hospital.....	53	1,531	1,283.5
Ottawa Civic Hospital.....	95	776	789.0
Windsor, Metropolitan.....	43	625	620.0
Kingston General Hospital.....	25	189	205.6
Hamilton General Hospital.....	21	177	174.2
Ottawa General Hospital.....	95	26	38.6
Private Physicians.....	51	233	254.5
	437	7,626	7,458.6

Five 100 millicurie glass seeds of radium emanation were supplied for research on a specific problem in treatment at the Toronto General Hospital.

## DIVISION OF DENTAL SERVICES

H. J. HODGINS, D.D.S., *Director*

The year has seen a marked progress in public dental health activities.

Interest in the establishment of school dental services continues to increase, especially in the rural districts. During the year fifteen rural centres applied for grant. Approval of arrangements for school dental service has been granted to—Oakville, Milton and Ripley; and to the Townships of Essa, Innisfil, Ramsay, Thessalon, East Gwillimbury, North Gwillimbury, Kinloss, Maryborough, Ashfield, Huron and Peel; also to the Manor Park district of Westminster Township. In connection with the last named, a unique ceremony took place when the Director officially opened the school dental clinic. This school clinic deserves special mention as it is housed in a building specially constructed for medical and dental services, the cost being paid for by money raised by residents of the Manor Park district.

Requests for information in regard to school dental service were received from over forty other interested centres, and we expect that some of these will be in operation before long.

Farm Federations, Women's Institutes, etc., have been particularly active in stimulating interest in health problems in their communities, and at a number of their meetings the Director was asked to show educational films and give a talk. In this he was given the assistance of the Canadian Dental Hygiene Council and the Dental Public Health Committee of the Ontario Dental Association.

The Director attended meetings of the Northern Ontario Dental Society at Sudbury; the Eastern Ontario Dental Society at Ottawa; and the Grey and Dufferin Dental Society at Owen Sound. Dental Public Health and The New Social Legislation was the theme at all these meetings.

The Director attended numerous meetings, upon request of local School Boards and Boards of Health, to advise upon establishment of dental service to suit the needs of the respective communities.

The Director of Dental Services has co-operated with the Ontario Dental Association throughout the year. One project is a matter of gratification to the Director, the publication of the Manual on Dental Health for Teachers in Grades VII and VIII. This publication is the result of the joint efforts of the Department of Education, the Ontario Dental Association, and the Department of Health, working through a special committee composed of the Dental Public Health Committee of the Ontario Dental Association, Mr. C. A. Brown, official representative of the Department of Education, and the Director of the Division of Dental Services, Department of Health.

In co-operation with the Research Department of the Faculty of Dentistry, under Dr. Harold K. Box, investigation is being conducted into the relationship—in selected areas—between the incidence of dental caries and certain factors in drinking water and diet; among these factors are fluorine and phosphorus. This project has entailed considerable time and travel, as the communities are widely separated. Investigations are in progress in the districts around South Mountain, Orillia, Ripley and Madoc.

During the first part of the year the Dental Car was travelling along the T. & N.O. Railway, as there was a great need for this service in the Temiskaming district. During the summer the car was renovated and then returned to the Canadian Pacific Railway lines, starting at the Manitoba boundary and working eastward. Over twelve hundred children came to the car for treatment.

Regular inspection of the dental clinics in the Ontario Hospitals was made. Routine examination of patients upon admission, and treatment when necessary, is being carried on. Due to wartime conditions there have been several changes in the dental staff, but the patients are being cared for in a satisfactory manner.

The Central Dental Laboratory is located at the Queen Street Hospital, Toronto, and supervision of the work is given by the Director. All other Ontario Hospitals send their dental laboratory work to this centre. During the year 1943 there have been 264 dentures and 341 repairs to dentures made at the Central Dental Laboratory.

The plan of emergent dental treatment for relief recipients is still available for those requiring extractions or repairs to dentures; a small number of people took advantage of the service this year.

Dr. L. J. Walsh of the dental staff left the Ontario Hospital, Kingston, to join the Canadian Dental Corps.

## HEALTH EDUCATION

MARY POWER, B.A.

*I. Health Education of the Public:*

The year 1943 brought forward a revision of "The Baby", the Department's publication on pre-natal care and care of the infant from birth to six years of age. The other publications of the Department have been distributed in accordance with the policy followed in other years, whereby the Medical Officer of Health in urban communities is supplied with material and requests from residents of his community are forwarded to him. No leaflets in quantity are sent to local organizations, except upon endorsement of the Medical Officer of Health. In this way the health authority has complete information with regard to the requisitions and needs for health education in his area.

For help in making available leaflets for distribution during the year, we are grateful to the Canadian Tuberculosis Association and to the Metropolitan Life Insurance Company for their generosity in supplying material for distribution within the Province.

The service from this office is largely through office interviews, telephone calls and correspondence. The last named numbered 523 out-going and 655 in-coming letters. As in former years the annual checking was made with regard to the series of educational material in both Canada and the United States.

Our service extended to Women's Organizations, including Home and School Clubs, Women's Institute Branches, Home Nursing Classes, etc. Service is also given to training schools for nurses whereby references for the nurse-in-training is sent to the instructress. 12,300 pieces of material were distributed through this office for this purpose.

Through the office the forms for the Annual Reports for Local Boards of Health were distributed. Form "A" (9 pages) for non-urban communities; Form "B" (14 pages) for urban municipalities with part time Medical Officers of Health; Form "C" (15 pages) is specially designed for communities employing full time Medical Officers of Health. Three sets are supplied, one of which is retained by the Medical Officer of Health; one is submitted to the Local Board of Health; and the third is forwarded to the Provincial Department.

*II. Health Education in School:*

Teachers in schools through the province who have requested help have received service as follows. References on health for teachers of both elementary and secondary schools are loaned for a period of two weeks. The number of loans this year reached a total of 208.

Service has been given to teachers during the year as follows:

	Budgets Sent	Material Sent
Elementary School Teachers.....	105	4,153 pieces
High School Teachers.....	46	2,000 pieces
Normal School Instructors and Inspectors.....	4	200 pieces

## DIVISION OF NURSE REGISTRATION

ALEXANDRA M. MUNN, Reg. N., *Director*

I have the honour to submit the following Report for 1943:

*Council of Nurse Education and Joint Committee:*

The Council held five meetings during the year—two additional meetings were called to confer with the representatives of the Registered Nurses' Association of Ontario on matters of special interest affecting new courses in the Toronto University School of Nursing and changes in educational entrance requirements for schools of nursing.

Three new courses were considered and approved for trial—

1. A thirty-nine month diploma course with examinations to be written at the end of thirty-three months and registration to be withheld until the end of thirty-six months.
2. A degree course of four years—examinations to be written in November of the fourth year.
3. An accelerated course of thirty months for a more mature group with no public health teaching. (Two groups in this course were approved for entry in September of 1943 and 1944.)

*Minimum Educational Requirements for Entry to Schools of Nursing (Sec. 21):*

Due to certain changes in the secondary school curriculum it was necessary to revise regulations for entry to training schools. An Order-in-Council was passed on November 2nd, 1943, as follows:

“(A) until the 31st day of July, 1944, the certificate of the principal of the Collegiate Institute, High, Vocational or Continuation School of the Province of Ontario attended by the applicant, showing that the applicant has completed satisfactorily three years in any one of the courses of Grades XI and XII laid down in pages 4 and 5, of the Regulations relating to Subjects of Study, issued by the Department of Education, or an equivalent certificate as determined by the Department of Education.

“(B) after the 31st day of July, 1944, the Secondary School Graduation Diploma of the Department of Education issued without qualifications respecting options, or an equivalent certificate as determined by the Department of Education.”

*Examinations—May and November:*

A total of 1,565 candidates wrote these examinations. Two examiners were assigned to each paper in November, when 986 candidates wrote examinations, in an effort to lighten the work of the examiner in charge and also to give experience to the young examiners. The result was gratifying and it is hoped that it will be possible to secure enough examiners to continue this arrangement.

*Information on Registration and Training of Practical Nurses:*

In order to secure some concrete information on the training and registration of the practical nurse in New York State the Director visited the State

Registration Offices in Albany and some training centres in New York City in May. A full report was presented to the Council of Nurse Education.

### REPORT OF INSPECTOR OF TRAINING SCHOOLS

The following summary of activities is presented by the Inspector of Training Schools:

Visits to Schools of Nursing—January 1st to December 31st—Total—97.

#### 1. Routine Visits

Ontario Hospital Schools of Nursing . . . . .	2
Affiliate Schools of Nursing . . . . .	5
General Hospital Schools of Nursing, 1 visit each . . . . .	50
General Hospital Superintendents of Nurses—6 of two visits each . . . . .	12

#### 2. Initial Visits—

Practical Nurse School—St. Peter's Infirmary, Hamilton 1

#### 3. Emergency Visits and Short Calls . . . . . 27

Routine visits were much according to the order of those of 1942. An eight-hour day, three shifts, has been instituted in all Ontario Hospital Training Schools. Nicholl's Hospital, Peterborough, has taken the lead in general hospital schools in setting up a similar time schedule. The majority of the remaining schools are maintaining a fifty-eight hour or longer week. Night duty schedules vary greatly but the majority exceed fifty-eight hours per week. One night off duty per week is now being granted in fifty percent of hospitals visited during the past year.

The health programme is being developed satisfactorily. In those schools where hours of duty have been reduced there is a noticeable decrease in the number of sick days recorded.

Although there is an increase in the number of graduate staff in hospital departments the patient population has so increased that there is a general complaint of shortage of staff, and students are too frequently taking the places of graduate staff. Specially trained teaching personnel is needed.

In the face of multiple obstacles occasioned by the war added to the general problems of everyday organization of hospital training schools the co-operation received from hospital executives was encouraging and gratifying.

#### *Emergency and Short Visits:*

These were fewer in number than in the previous year. Two nursery epidemics were investigated. Three hospitals asked for assistance in reorganization of obstetrical nurseries.

Other visits were in answer to requests for assistance or advice regarding hospital problems.

In April, Mrs. L. Fitzsimmons of the American Psychiatric Association made a survey of Ontario Hospital Nursing Services and training schools. Mrs. Fitzsimmons' comments and advice were very helpful.

A second extension course in Obstetrical Nursing and Care of the Newborn was organized at the School of Nursing, University of Toronto, September 15th to November 15th. Nineteen graduates from Obstetrical Units of the hospitals of the Province were in attendance. This course is declared by all to be very beneficial and it is hoped it may be repeated in 1944. This course, it should be

emphasized, is for the purpose of stimulating staff education and of encouraging post graduate study.

## STATEMENT OF REGISTRANTS

Total number registered, 1943 . . . . .	1,583
Total number taking examination, 1943 . . . . .	1,565
Total number registered since 1923 . . . . .	29,619

## STATEMENT OF REVENUE

Registration fees . . . . .	\$ 8,510.00
Re-registration fees . . . . .	20,173.00
Training school records . . . . .	111.66
Miscellaneous . . . . .	66.91
Examination fees . . . . .	7,285.00
	<hr/>
	\$36,146.57



## DIVISION OF SANITARY ENGINEERING

A. E. BERRY, M.A.Sc., C.E., Ph.D., *Director*

I have the honour to submit herewith the Annual Report of the Division of Sanitary Engineering for the year 1943.

The activities of this Division may be summarized under the different fields of endeavour allotted to this branch. These include the following: supervision of public water supplies and sewage treatment plants; examination and approval of plans and specifications for new waterworks and sewerage systems, refuse incinerators, or extensions of existing ones; examination and certification of milk processing plants; inspection and licensing of summer camps; supervision of recreational facilities throughout the province; assistance to local health officers in the correction of conditions giving rise to complaints or nuisances. approval of plans and regulations of cemeteries; general supervision over swimming pools and bathing areas; assistance to other departments of the service as well as to the armed forces on problems of sanitation.

*Public Waterworks:*

The Public Health Act of the province delegates to the Department of Health the duties of exercising supervision over public water supplies and of the approval of new sources of supply as well as extensions of existing plants. This work is carried on by means of approval of plans and specifications for all waterworks projects, and by the regular examination of water treatment plants by members of the staff of the Division. At present, no qualifications have been set up for the operators of these treatment plants, and no particular standing is required. This is a difficulty under present conditions, in view of the fact that a number of the operators are changing and it is necessary to bring on new men without previous training. At the end of the year there were 308 public waterworks systems in operation throughout the province. These supply water to a very substantial proportion of the entire population, and water is now available through public systems to most municipalities of any appreciable size. Generally, it is possible for a community to secure its own public waterworks system well before it reaches a population of 1,000.

During the year 69 certificates were issued for the approval of waterworks projects. This involved an estimated expenditure of \$393,491.31, as compared with \$804,654.37 for the previous year. The very low figure for 1943 is indicative of the restrictions placed on this field by the war. For most of the year there have been important restrictions on materials needed for the construction of waterworks systems, and in addition to this, labour was difficult to secure. Toward the end of the year these restrictions were eased, and it would appear that the most critical period, so far as supplies are concerned, has now passed. Cast iron pipe for watermains has been taken off the restricted list and it will be possible for a number of municipalities to make needed extensions to their distribution systems.

Since most of the wartime projects, including industrial plants and Wartime Housing have now been completed, there was less activity in this field than in the previous year. This is reflected in the total expenditures approved for the year. There is evidence, however, of a continued increase in water consumption in the majority of municipalities, and especially where there are any large wartime production plants in operation. The shifts in population from one centre to another were less marked in 1943 than in the previous year, but there is a

tendency to concentrate in those places where major, industrial developments have taken place. This creates a special burden both on waterworks plants and on sewerage systems.

Few major projects have been undertaken during the year. The City of Kingston with its rapid increase in population and demand for a greater water supply has found it necessary to proceed during the war with the construction of an intake pipe and pumping station. It is with the understanding that the proper treatment plant will be constructed during the post-war period. The City of Belleville has undertaken the installation of a clear water storage basin to provide additional facilities for that city.

Chlorination of practically all surface waters is now the general procedure throughout the province. The Village of Fonthill was added to this list during the year. There are now 192 public systems using chlorination, and it is estimated that well over 80% of all water in public systems is chlorinated. This process has been generally satisfactory alone, although there is a continuance of adverse reports, especially during the summer in certain waterworks distribution systems. The adoption of chloramine has helped a good deal to relieve this.

#### *Public Sewerage Systems*

The same general supervision is provided for public sewerage systems as is the case with waterworks. An effort is made to visit regularly the sewage treatment plants and to check on their operation. Public systems now in use total 134. During the year 106 certificates of approval were issued for sewerage projects. These involved an estimated expenditure of \$852,122.32 in comparison with \$1,522,571.77 for the previous year. The same conditions which affected the waterworks programmes have influenced the sewerage construction programmes, and it is not expected that much work will be carried on until the war is over. Major changes in treatment facilities for industrial plants and housing schemes have already been completed. Some changes may be necessary from time to time but the major activities that are likely to be needed until after the war have been finished.

At present there are seventy-seven sewage treatment plants in operation in the province. Thirty-eight or forty-nine percentage of these are complete treatment, while the others are partial or primary treatment units. From these figures it is obvious that there are many municipalities discharging raw or partly treated sewage into surface water supplies. This practice has gone on for a number of years and it is expected that there will be a cessation of this in the period immediately following the war. While 59% of the population of the province reside in those communities which have public sewerage systems, only 70% of this population is in centres where there is any sewage treatment at all.

During the year a start was made on the sewage treatment plant for the City of Toronto. Contracts were let for the initial part of this work and it is expected to proceed as rapidly as conditions will permit during the coming year. The complete project involves activated sludge, but primary sedimentation is all that is being built in the first stage. This was the only major undertaking in sewage treatment during the year. Some smaller extensions were made elsewhere, including an enlargement of the plant at Long Branch where industrial developments in Wartime Housing have increased the flow to the point where a larger plant was necessary.

During the year an effort has been made to provide reasonably regular inspections of all sewage treatment plants in the province. Samples have been collected from the effluents, although on a reduced scale owing to inadequate numbers on the staff. Here, as in connection with public water treatment plants,

no qualifications have as yet been set up for the operators. It is obvious that something of this nature will be required in years to come if these plants are to be operated at their maximum efficiency.

#### *Post-War Programmes:*

During much of the year 1943 there has been an intensified interest in the development of post-war programmes in both waterworks and sewerage. The restricted construction over the recent years has made it necessary to undertake a good deal of this as soon as conditions are satisfactory. These works occupy a major position in all programmes for post-war endeavour, and it has become apparent to most centres that they must be planned well in advance. Consequently, many have engaged engineers to prepare detailed plans for both water treatment plants, sewerage systems and treatment works. By these programmes it is hoped to reduce to a minimum the extent of pollution which will be permitted in the various surface waters of the province. There is now no longer any need for delay in undertaking the construction of sewage treatment plants on the basis that these methods are changing rapidly. Such progress has been made in methods of treatment that they are becoming more and more standardized, and while many changes may be expected in the future, there is no reason to feel that a plant built to-day will be obsolete in a short time. This, in conjunction with the difficulty of financing has been one of the stumbling blocks in the past. More work is expected in the post-war period in the sewerage field than in waterworks. This will involve many new sewerage systems and the construction of treatment plants where none exists now.

#### *Sewer Rental Legislation:*

During the year *The Municipal Act* was altered to permit financing of sewage treatment plants as well as sewerage construction on a sewer rental plan. This makes it possible for a municipality to finance part or the whole of these projects on a rate basis rather than having the cost placed on the general assessment and collected in taxes. While no municipality adopted this procedure in 1943, it is expected that this measure will be of material assistance in the financing of municipal projects in the future.

#### *Milk Control Programme:*

The control of milk supplies distributed throughout the province has continued as in the preceding year, but on a restricted basis because of lack of staff. At the end of the year there were in operation 729 pasteurization plants as compared with 766 for the previous year. Many of these plants are having difficulty in securing staff for their operation and it has been necessary as a result of this for some to amalgamate. Nine hundred and fifty inspections of these plants were made during the year. It is recognized that this is not an adequate supervision, but in view of the inadequacy of the staff available for this purpose, no additional programme was possible during the year. The operators of these pasteurizing plants are not licensed or certified as to qualifications and this is becoming a more critical situation, particularly in view of the fact that it is necessary to change operators from time to time. This is a condition experienced as a result of the war and it is doubtful if little can be done to offset it during that time. There is an increasing recognition of the need for properly qualified operators, and it is hoped that in the not too distant future it may be possible to have only qualified men do this work. Certification, after they have passed a specific test, would ensure greater efficiency.

There has been little change during the year in the areas in which pasteurization of milk is compulsory. It is now estimated that over 98% of the total sales of milk in the province for fluid consumption is pasteurized. Difficulties have

arisen during the period because of restrictions on gasoline and tires and in the outlying centres it has been quite difficult to ensure that a safe milk can be delivered. There has been general co-operation on the part of the distributors to give this service as far as is at all feasible to these sections in their territory. Milk consumption continues to rise, and it is gratifying to note that such a high percentage of this is made safe by pasteurization.

Emphasis must be placed on the difficulties that have arisen during the year as a result of the quality of the raw milk reaching the pasteurization plants. The programme of the Department does not include inspection of the farms, and with the continued shortage of labour it is more and more difficult to secure for the pasteurization plant a proper supply of raw milk. It is difficult under these circumstances to ensure that the finished product will be as satisfactory as might be desired. Higher bacterial counts have been found both in the raw milk and in the pasteurized, and while the final product can be made quite safe, it is not of as good quality as would otherwise be the case. The control of the raw milk supply rests with the local Boards of Health. Some of these are doing most effective work, while others have not been able to devote as much time to it as might be desirable. The use of laboratory tests, including plate counts, colon tests and phosphatase tests have been most beneficial in securing a safe milk supply for the different areas. The camps of the armed forces use very large quantities of milk and all this must be pasteurized. It is fortunate that throughout the province pasteurizing facilities were available before and during the war to ensure that all in these camps would be provided with a safe milk supply.

#### *Food Control:*

While the control of public eating places and the distribution of food in general is a responsibility of local Boards of Health, the Division has attempted to assist, in so far as is possible, all local officials. Increasing difficulties are met in these places for reasons similar to those found in dairies and other places where handling of food is an important item. It is becoming more apparent that more stringent requirements will be necessary in the sanitation of these places, and in the control of persons responsible for food handling. Satisfactory standards for eating establishments, as well as proper instruction of the staff can go far to assist in this activity.

#### *Recreational Sanitation:*

At present, licenses are issued for summer camps. These consist primarily of fresh air camps for children and young adults. During the year 142 licenses were issued. An effort is made to supervise all these and to ensure, by inspection, that the water supply, sewage disposal, and food used at the camp are satisfactory from a sanitary standpoint. Very considerable improvements have been made in the camps, and with more adequate inspection there should be further improvement. This work has given assurance to parents that the camps to which their children are sent are health centres rather than a menace.

As in recent years, the examination of tourist camps, refreshment stands and private tourist homes has been left to the local Boards of Health. Forms for inspection have been supplied to each health officer and these returns are then submitted to the Department. Certificates of approval can be issued by the local health officer if he so desires. Under this system it is not feasible to secure uniformity in results, but it has not been possible for the Division to undertake this work for a number of years.

In the summer resort areas a special effort is made to see that sanitary facilities are adequate. These places have been well populated during the year, and this may be attributed to lack of gasoline and tires for motoring. Ontario has a great many recreational facilities of this kind and if they are to be utilized

to advantage it is essential that every precaution must be taken to control environmental sanitation. Difficulties continue, occasionally to occur in respect to intestinal disturbances. This situation is not confined to Ontario but is characteristic of most summer resort areas. The exact cause of this is not yet clear, although investigations have been made wherever information could be obtained on these outbreaks.

As more adequate facilities become available after the war, further steps would appear to be necessary in connection with the control of all recreational facilities throughout the province. The requirements should be standardized as far as possible, and that can only be done through inspection by the province or by close supervision over the inspection by local officers.

#### *Refuse Collection and Disposal:*

No major changes have been made during the year in the collection and removal of refuse from municipalities. There is a tendency for public collection to spread throughout the different centres, and it is fully expected that as times become more normal there will be a considerable increase in the number of municipalities where there is a regular collection of refuse.

The major change in the refuse disposal field is the trend towards incineration. For some years, municipalities have been relying on refuse dumps. As the population increases and the available places become filled, it is necessary to adopt some other measure. For Ontario conditions incineration has been found most favourable, and a number of centres are either actively engaged in the preparation of plans or are contemplating the construction of incinerators in the near future. These are contemplated at St. Catharines, Galt, Brantford and Lindsay.

#### *Nuisances and Complaints:*

A number of requests for assistance in the solution of complaints have continued throughout the year. These originate with health officers, and parties who have grievances. While the majority of these are associated with health nuisances, it is not always feasible to separate these conditions into what involves health and what is purely a matter of inconvenience. There is a strong tendency for people who have complaints of this nature to desire the local Board of Health or the provincial department to solve their problems. In Ontario, a health nuisance has been considered only something which is likely to injure the health of the individual. This must be a fairly direct connection. In spite of this, it is obvious that both the local Boards of Health and this Department must investigate many other situations, and endeavour as far as it is feasible to correct them, in spite of the fact that they are not directly related to public health. This requires a good deal of time but it has been general for people to think that these can best be handled by a health department rather than by any other type of administration.

#### *Reduction in Typhoid Fever:*

The control of typhoid fever has been extended during the year to the point where the lowest number of cases on record have been reported. Only 60 cases were reported in 1943 as against 109 in 1942. The number of deaths recorded were 15. This gives a rate of 0.38 deaths per 100,000 population. Since typhoid fever may be regarded as an index of sanitary conditions, it can be assumed that the control over the foci of infection of this disease has been effective.

#### *Farm Service Camps:*

Farm service camps continue to operate during the year under the control of the Department of Agriculture. This Division has co-operated closely with those responsible for their administration. During the year twenty-nine govern-

ment operated camps were in use. Eighteen private camps were operated. Standards have been drawn up so that there may be uniformity in respect to the requirements for sanitation at these different places. It is anticipated that as time goes on this co-operation and control will develop to a more effective condition than has been possible in the past.

#### *Cemeteries:*

Supervision of cemeteries has required a substantial amount of time of the staff during the year. The regulations, which were adopted in 1941, required that the operators of cemeteries submit to the Department by January 1st, 1942, all their plans, by-laws and other information on these places. No list of the cemeteries throughout the province has been available and it has not been possible to notify all these places directly. The result is that they are gradually complying with the legislation but a considerable delay is unavoidable under those circumstances. Through these regulations it is possible to bring about a greater uniformity of operating conditions and to create greater interest in the maintenance of these grounds. The establishment of perpetual care funds for the maintenance of the grounds in the future has been advocated at all times and there is an increasing trend in this direction.

#### *Housing:*

While it has not been possible for the Division to accomplish much during the year on the problems associated with housing, it is apparent that this is a matter which will require increasing attention in years to come. The war has brought about many abnormal conditions in respect to housing. Congestion has resulted in many places and inadequate provision has been available in many centres. It has been shown that health conditions are not as satisfactory in the areas where housing is poor. Obviously, many factors may be involved in connection with this, but there is an association evident from the records, between poor housing and bad health. Standards for the control of housing are desirable from a health standpoint and these might be applied to the province at large or to restricted areas in the province.

#### *Plumbing Legislation:*

For some time it has been obvious that there is little uniformity in the plumbing legislation in the different centres throughout the province, nor is there any effort made in some of the smaller centres to control this. To correct this situation it would be necessary to have a plumbing code applicable to the entire province as a minimum standard. There are certain difficulties associated with this but a committee has been at work during the year to draft such a code and to see what might be included as a minimum for the province. If this can be satisfactorily adjusted it would go a long way towards progress in this field.

#### *Conservation:*

During the year there has developed an increasing interest in the conservation of our natural resources. This is most important in so far as public health is concerned. It is expected that the post-war period will see considerable change in conservation of these resources. This will include the protection of our streams against abnormal pollution, improvement of recreational facilities, and many other matters which are directly or indirectly associated with public health. Various groups are now at work stimulating interest in this important field and it is believed that substantial progress will result in the not too distant future.

#### *Death of A. T. Byram:*

It is with regret that it is necessary to report the death of Arthur T. Byram, a Senior Sanitary Engineer in the Division. Mr. Byram had been in the Depart-

ment for over twenty years and had made a very substantial contribution to the field of public health.

No epidemics, resulting from either public water supplies or milk supplies were recorded during the year.

Tables appended show the action taken by the department on applications for the approval of waterworks and sewerage projects.

CERTIFICATES ISSUED RE: WATERMAIN EXTENSIONS,  
PURIFICATION, ETC., FOR THE YEAR 1943

MUNICIPALITY	Number of Certificates	Watermain Extensions	Supply and Purification	New Systems
Barton Township.....	2	\$ 7,941.37	\$.....	\$.....
Belleville.....	1	.....	36,000.00	.....
Chatham.....	1	309.00	.....	.....
Collingwood.....	1	5,361.00	.....	.....
Cornwall.....	3	9,430.00	.....	.....
Crowland Township.....	2	35,409.38	.....	.....
Etobicoke Township.....	2	45,348.00	.....	.....
Fonthill.....	1	918.60	.....	.....
Forest Hill.....	2	2,750.00	.....	.....
Grantham Township.....	1	1,300.00	.....	.....
Hamilton.....	7	45,322.00	.....	.....
Kingston.....	1	13,500.00	.....	.....
Kitchener.....	1	2,278.00	.....	.....
Leaside.....	1	1,680.00	.....	.....
Long Branch.....	1	3,000.00	.....	.....
Midland.....	1	5,000.00	.....	.....
Monaghan North Township.....	1	1,284.15	.....	.....
Nelson Township.....	1	5,512.38	.....	.....
Nepean Township.....	2	4,962.00	.....	.....
Orillia.....	1	7,594.66	.....	.....
Ottawa.....	10	36,105.50	.....	.....
Pembroke.....	1	4,797.90	.....	.....
Picton.....	1	8,856.84	.....	.....
Port Arthur.....	1	2,474.60	.....	.....
St. Catharines.....	1	7,500.00	.....	.....
Saltfleet Township.....	1	11,540.00	.....	.....
Sault Ste. Marie.....	1	12,450.00	.....	.....
Scarborough Township.....	1	3,428.12	.....	.....
Stamford Township.....	1	2,321.45	.....	.....
Stouffville.....	1	.....	1,700.00	.....
Sudbury.....	3	15,881.20	.....	.....
Swansea.....	1	12,300.00	.....	.....
Timmins.....	1	4,150.00	.....	.....
Toronto.....	1	3,182.00	.....	.....
Wallaceburg.....	1	2,896.57	.....	.....
Whitby East Township.....	1	9,658.09	.....	.....
York Township.....	1	1,037.00	.....	.....
York East Township.....	6	16,749.00	.....	.....
York North Township.....	2	1,562.50	.....	.....
Total.....	69	\$ 355,791.31	\$ 37,700.00	.....

## CERTIFICATES ISSUED RE SEWERAGE FOR THE YEAR 1943

MUNICIPALITY	Number of Certificates	Sewer Extensions	Disposal	New Systems
Barrie.....	1	\$ 1,832.14	\$ .....	\$ .....
Barton Township ..	1	2,490.90	.....	.....
Belleville.....	1	700.00	.....	.....
Chatham.....	1	1,200.00	.....	.....
Collingwood.....	1	7,220.00	.....	.....
Copper Cliff (International Nickel Company of Canada).....	1	.....	.....	.....
Cornwall.....	3	24,005.00	.....	.....
Crystal Beach.....	1	2,351.00	.....	.....
Dundas.....	1	2,050.00	.....	.....
Etobicoke Township ..	5	66,202.13	.....	.....
Forest Hill.....	3	5,150.00	.....	.....
Fort William.....	4	36,259.00	.....	.....
Goderich.....	1	3,026.54	.....	.....
Grantham Township.....	1	70,000.00	.....	.....
Hamilton.....	6	146,165.00	.....	.....
Kingston.....	6	58,752.60	.....	.....
Kitchener.....	2	2,040.00	.....	.....
Leaside.....	1	1,300.00	.....	.....
London.....	8	21,461.55	.....	.....
Long Branch.....	1	.....	53,000.00	.....
Nepean Township.....	2	4,072.00	.....	.....
New Liskeard.....	1	.....	6,500.00	.....
Nipigon Township.....	1	2,418.90	.....	.....
Orillia.....	2	1,295.16	.....	.....
Ottawa.....	4	46,320.00	.....	.....
Pembroke.....	1	1,544.09	.....	.....
Peterborough.....	2	6,456.15	.....	.....
Port Arthur.....	1	1,959.20	.....	.....
Rockcliffe Park.....	1	1,470.00	.....	.....
St. Catharines.....	2	6,200.00	.....	.....
St. Thomas.....	1	40,000.00	.....	.....
Saltfleet Township.....	1	45,099.00	.....	.....
Sarnia.....	3	7,406.02	.....	.....
Sault Ste. Marie.....	1	11,120.00	.....	.....
Scarborough Township ..	1	8,546.91	.....	.....
Stamford Township.....	4	12,729.96	.....	.....
Stratford.....	1	.....	4,250.00	.....
Sudbury.....	5	13,887.00	.....	.....
Toronto.....	4	17,975.00	.....	.....
Wallaceburg.....	1	6,167.45	.....	.....
Westminster Township.....	1	518.00	.....	.....
Weston.....	2	21,150.00	.....	.....
York Township.....	3	18,028.00	.....	.....
York East Township.....	7	29,556.62	15,000.00	.....
York North Township.....	5	17,247.00	.....	.....
Total.....	106	\$ 773,372.32	\$ 78,750.00	.....

## SUMMARY

RE WATERWORKS:	Estimated Cost
Extension to existing systems.....	\$ 355,791.31
Purification of water supplies.....	37,700.00
New systems.....	.....
Total.....	\$ 393,491.31
RE SEWAGE:	
Extensions to existing systems.....	\$ 773,372.32
Treatment Works.....	78,750.00
New sewerage systems.....	.....
Total.....	\$ 852,122.32

The total number of applications favourably reported upon re waterworks and sewerage for the year was 175 and involves an estimated expenditure of \$1,245,613.63



## DIVISION OF LABORATORIES

A. L. MACNABB, V.S., B.V.Sc., *Director*

The Divisional Laboratories conducted 1,280,671 examinations during the calendar year, which terminated December 31st, 1943. This is an increase of 296,562 examinations over the year 1942 and 679,131 more than the year 1939.

This marked increase in the volume of work is accounted for by the diagnostic laboratory facilities offered to the Red Cross Blood Donor Clinics, industrial projects, personnel of the Canadian Army and R.C.A.F., and internment camps.

The Central Laboratory, which includes the East Block unit, No. 11 Queen's Park, 999 Queen St. West laboratory and the Mimico Unit, has 129 staff members. Five of this number are medical internes and two are veterinarians, attached to the Division of Laboratories. Therefore in reality, the Central Laboratory staff consists of 124 members, whilst the Branch Laboratories have 44 members.

No additional laboratory diagnostic units were opened during the year 1943, solely due to the difficulty in getting equipment and adequate trained personnel. The trend, however, is for an increased number of diagnostic units, thus providing local laboratory service. A local laboratory service can provide certain diagnostic facilities which are not possible when the laboratory is many miles distant.

Mr. W. J. A. Percy, M.A., Director of our North Bay Branch Laboratory, joined His Majesty's Forces in September last. Mr. Percy has proven himself a very efficient Branch Laboratory Director and as he was anxious to serve in His Majesty's Forces, arrangement was therefore made for his release. Mr. A. B. Lamb, B.Sc., was transferred from the Ottawa Branch Laboratory to assume the post of Acting Director of the North Bay Branch Laboratory, rendered vacant by Mr. Percy's enlistment.

Dr. E. L. Barton, Bacteriologist at the Central Laboratory, was appointed Director for the Ottawa Branch Laboratory, effective as from December 1st last, filling the vacancy caused by Dr. F. L. Letts' retirement. The Division lost a most conscientious and sincere servant by the superannuation of Dr. Letts. Dr. Letts had passed the age of retirement and arrangements were made for Dr. Barton to assume the post of Director of the Ottawa Branch Laboratory.

The Divisional Laboratories in Kingston have ended a most satisfactory year. The volume of work at the Governmental Laboratory, Barrie Street, Kingston, has increased to 59,999. The plan for extending the work conducted in the Barrie Street Laboratory, to date, has included the laboratory diagnosis of Venereal Disease, Tuberculosis and Blood Chemical determinations. It is planned that during the ensuing year, the general diagnostic services will be available from this centre. The work in the Richardson Laboratory, General Hospital, Kingston, under the Directorship of Professor James Miller, included the diagnosis of Diphtheria and Milk and Water examinations.

The Provincial Health Laboratory at Fort William has been busily engaged, not only in the conducting of the routine diagnostic work submitted to the laboratory, but also in the serological examination of specimens submitted from the Red Cross Blood Donor Clinics.

Two subsidized laboratories, namely the Belleville General Hospital and the St. Catharines General Hospital, have extended a very worthwhile service.

This was done in spite of being somewhat handicapped by inadequately trained personnel.

Commencing from August last, the Central Laboratory undertook the training of Army Technicians. A course of instruction extending over a period of three months has been given. Two classes have graduated. The third class is now at the Central Laboratory and the fourth class will arrive at the laboratory April 14th next. The plan in the Central Laboratory is to train between ninety and one hundred laboratory technicians. The students in this class have been enthusiastic and serve as a stimulus for all in preparing instructional material and in the practical demonstrations.

In connection with the training of these students, I would like to acknowledge the gracious help received from Professor Wm. Robinson, Professor Wm. Boyd and Professor E. A. Linnell of the Banting Institute, Toronto, from Professor James Miller, Professor of Pathology and Professor John Orr, Professor of Bacteriology, Queen's University and from Dr. A. J. Slack, Dean of the Faculty of Public Health, Western University.

The year has been one in which all the staff have been heavily taxed. I much appreciate the faithful assistance given me by my associates at the Central Laboratory and the other gracious help from the various Branch Laboratories. As has always been the case, Dr. Slack of the Institute of Public Health, London, and Dr. James Miller of Queen's University, have co-operated very wholeheartedly. The following is an outline of the work performed by the Divisional Laboratories and notes from Dr. M. C. Dinberg, Pathologist, Mr. A. R. Bonham, B.A.Sc., F.C.I.C., Provincial Analyst, as well as a note from each Branch Laboratory Director.

Table I lists the number and nature of outfits distributed by the Central Laboratory during the year 1943. The additional outfit, namely the G.C. cultural outfit, is available for distribution to Special Treatment Clinics. The preliminary medium contains defibrinated laked horse blood with crystal violet added to a concentration of 1:100,000.

TABLE I

OUTFITS DISTRIBUTED AT THE CENTRAL  
LABORATORY DURING 1943

Wassermann	1,196,790
Gonococcus Smears	42,164
Non-Protein Nitrogen	6,273
Pin Worm	1,133
Miscellaneous	6,403
Dark Fields	1,703
Spinal Fluids	3,918
Gonococcus Cultures	2,039
Blood Cultures	2,207
Whole Bloods	1,803
Restaurant	236
Beverage Room	15
Pathology	9,134
Water Bottles (with containers)	12,236
Water Bottles (without containers)	4,722
Diphtheria Swabs	11,953
Sputum	36,923
Blood Sugar	20,159
Feces	6,895
Streptococcus	6,446
Total	1,373,152

Table II lists the media, stains, solutions prepared during the year 1943 at the Central Laboratory.

TABLE II  
MEDIA, STAINS, ETC., PREPARED, 1943

Liquid Media.....	2,784 litres
Solid Media.....	1,842 "
Stains.....	917 "
Saline.....	976 "
Plates.....	64,762
Egg Media Tubes.....	101,682
Bottles for Feces Outfits.....	17,484
Bottles for Blood Culture Outfits.....	2,796
Wax Ampoules for Dark Field Outfits.....	1,364
Laked Blood Tubes for G.C. Outfits.....	6,686

MILK AND WATER MEDIA

Brilliant Green.....	1,459 litres
Red Bile Agar.....	112 "
Triple Sugar.....	51 "
Tryptone Agar.....	296 "
Nutrient Agar.....	32 "
Enriskei Media.....	3 "

Table III lists the number and nature of examinations conducted at each of the Divisional Laboratories.

TABLE III  
DIVISION OF LABORATORIES—DEPARTMENT OF HEALTH, ONTARIO  
TOTAL VOLUME OF WORK PERFORMED BY THE DIVISIONAL LABORATORIES FOR THE YEAR OF 1943

TYPE OF SPECIMEN	Tor- onto	Lon- don	Ot- tawa	Port Wil- liam	Rich. Lab. King- ston	North Bay	Peter- boro	Sault Ste. Marie	Ensol King- ston	Belle- ville	St. Cath- arines	Total
<b>BACTERIOLOGY:</b>												
Diphtheria—Direct Smears	1802	989	212	37		14	145	17		479		3695
Cultures.....	5552	1517	3397	266	2150	781	160	1030		479	49	15381
Virulence Tests.....	203	16	34	6		11	4					274
Further Tests.....	156	1217		261		779						2413
Kellogg Tests.....	9											9
Tuberculosis—Microscopic Smear	22680	3708	2897	2680		1557	571	145	4011	323	591	39163
Animal Inoculations.....	1927	5	58	40		110	13		8			2161
Cultural Examinations.....	16159	515	736	1768		393			1576			21147
Pneumonia—Pneumococcus Typing	2733	81	68	191	30	29	6			108	12	3258
Animal Inoculations.....	2641		60	121		80			2	103		3007
Miscellaneous Bacteriological Examinations.....	8627	2277	1462	1947	272	1056	244	1578	805	541	378	19187
Spinal Fluids—Cultural Examinations.....	971	64	42	17	18	304	45	17	9	56	27	1570
Streptococcal Infections—Swabs	2485	365	727	1876			245	1030		405	1105	8238
Groupings.....	249			110								359
Cough Plates.....	32	6	81								5	126
Fungus Cultures.....	329		22	8	2	6			26			393
<b>AGGLUTINATIONS:</b>												
Whole Bloods—S. Typhi H. & O.	2321	2518	301	200	210	232	49	8		180	103	6122
Typhi V1.....	324					116						440
S. Paratyphi A.....	2321	1278	301	100	210	116	49	8		180	103	4666
S. Paratyphi B.....	2321	2511	301	200	210	116	49	8		180	103	5999
P. Tularensis.....	2321	1038	308	100		116	48	8		180		4119
Other Tests.....	93											93
Undulant Fever—Agglutination for Br. Abortus.	2321	1285	353	100	210	116	61	8		180	103	4737
Opsonic Index.....	3											3
Bovine Brucellosis—Cows' Bloods	583	1157	59	74			413	21				2307
Infectious Mononucleosis—Heterophile Antibody	276	92	36	5	10				31			450
Blood Cultures.....	3179	1233	398	222	149	114	89	12		169	84	5649
Faeces Examinations—Cultural Examinations.	5184	411	304	277	130	400	16			270	148	7141
Parasitic Ova.....	356	59	243	49	6	71	1	1		15	10	811
Occult Blood.....	27	29	4	30	92	17	12	1		21	17	250

TABLE III—Continued  
 DIVISION OF LABORATORIES—DEPARTMENT OF HEALTH, ONTARIO  
 TOTAL VOLUME OF WORK PERFORMED BY THE DIVISIONAL LABORATORIES FOR THE YEAR OF 1943

TYPE OF SPECIMEN	Tor-onto	Lon-don	Ot-tawa	Fort Wil-liam	Rich. Lab. King-ston	North Bay	Peter-boro	Sault Ste. Marie	Ensol King-ston	Belle-ville	St. Cath-arines	Total
Milk—Standard Plate Counts.....	5610	5654	3828	3289	917	1901	803	1086	.....	472	.....	23560
B. Coli Counts.....	5614	3045	3885	878	608	1901	802	667	.....	508	.....	17908
Phosphatase.....	3637	3042	3049	822	475	1058	417	529	.....	484	.....	13513
Butterfat Determinations.....	3739	4055	3191	855	138	1243	698	735	.....	452	.....	15106
Mastic Tests.....	274	8	89	.....	.....	676	77	10	.....	.....	.....	1134
Other Tests.....	102	877	2803	12	124	4	.....	3	.....	.....	.....	3925
Ice Cream—Plate Counts.....	.....	47	12	.....	.....	.....	.....	.....	.....	.....	.....	59
B. Coli Counts.....	.....	47	12	.....	.....	.....	.....	.....	.....	.....	.....	59
Phosphatase.....	.....	.....	11	.....	.....	.....	.....	.....	.....	.....	.....	11
Butterfat Determinations.....	.....	26	12	.....	.....	.....	.....	.....	.....	.....	.....	40
Water—Standard Plate Counts.....	1411	889	1965	54	1444	40	.....	.....	.....	.....	313	6116
B. Coli Counts.....	10678	3580	4490	3813	1444	2369	1042	4574	.....	158	476	32924
Swimming Pools—Standard Plate Counts.....	.....	37	77	.....	.....	.....	.....	.....	.....	.....	.....	114
B. Coli Counts.....	.....	56	58	.....	.....	3	52	.....	.....	.....	.....	169
Carbonated Beverages—B. Coli Counts.....	.....	.....	346	.....	.....	.....	16	.....	.....	.....	.....	362
Bact. Plate Counts.....	.....	.....	346	.....	.....	.....	.....	.....	.....	.....	.....	346
Food Examinations.....	247	.....	1	.....	.....	2	.....	.....	.....	.....	.....	250
Restaurant and Beverage Room Utensils.....	698	399	3005	18	.....	590	234	.....	.....	30	.....	4974
Germicidal Tests.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Sterility Tests.....	180	.....	.....	382	.....	90	4	243	.....	306	58	1263
NUMBER OF EXAMINATIONS FOR THE YEAR.....	120377	44135	39584	20810	8849	16411	6365	11740	6468	6579	3685	285003
GONORRHOEA—Microscopic Smears.....	18538	4444	4564	3394	.....	3132	1674	824	3918	1241	824	42553
Cultural Examinations.....	3343	875	701	681	.....	180	21	161	1213	94	109	7378
Complement Fixation.....	371	71	.....	38	.....	.....	.....	.....	21	.....	.....	501
NUMBER OF EXAMINATIONS FOR THE YEAR.....	22252	5390	5265	4113	.....	3312	1695	985	5152	1335	933	50432
SYPHILIS:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Primary—Dark Field.....	382	172	120	49	106	102	8	1	.....	.....	.....	940
Fontana Stain.....	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	3
P. Kahn.....	.....	.....	8	.....	.....	53	.....	.....	.....	.....	.....	61

TABLE III—Continued  
 DIVISION OF LABORATORIES—DEPARTMENT OF HEALTH, ONTARIO  
 TOTAL VOLUME OF WORK PERFORMED BY THE DIVISIONAL LABORATORIES FOR THE YEAR OF 1913

TYPE OF SPECIMEN	Tor- onto	Lon- don	Ot- tawa	Fort Wil- liam	Rich. Lab. King- ston	North Bay	Peter- boro	Sault Ste. Marie	Ensol King- ston	Belle- ville	St. Cath- arines	Total
Blood Serum—P. Kahn . . . . .	493608	41326	30063	23823		14761	1605		24126		3980	633292
S. Kahn . . . . .	57309	7052	7328	9416		3240	554		13415		1511	99825
Q. Kahn . . . . .	8836	1370	1113	473		622	140		778		380	13712
Verification Kahn . . . . .	935	7		72								1014
Kline . . . . .			404									404
Laughlin . . . . .						3187				1182		4369
Kolmer Wassermann . . . . .	35249	7270	7359	1057					4577			55512
Spinal Fluids—S. Kahn . . . . .	3829			1		7			2			3839
Q. Kahn . . . . .	209											209
Kolmer Wassermann . . . . .	5340	1373	819	381		277			679			8869
Colloidal Gold . . . . .	5972	1423	840	377		274			675			9561
Colloidal Mastic . . . . .				15					664			679
Total Protein . . . . .	4855	1302				278			245			6680
Globulin . . . . .		1405		381		289						2156
Cell Count . . . . .		1437	840	381		295		2	678	58	81	3755
Chlorides . . . . .		52	171			1			301		64	65
Sugar . . . . .		41				2			22			65
Miscellaneous . . . . .	8858											8858
NUMBER OF EXAMINATIONS FOR THE YEAR . . . . .	625382	64232	49065	36426	106	23389	2307	3	46162	1240	6016	854328
VIRUS INFECTION—Birds . . . . .	26											26
Neurotropic Virus . . . . .	18											18
Pneumococcus Virus . . . . .	18											18
Lymphogranuloma . . . . .	1											1
Rabies . . . . .	4	2										6
NUMBER OF EXAMINATIONS FOR THE YEAR . . . . .	67	2										69
PATHOLOGY—Surgical . . . . .	6815	1706			2826		991			1308	1853	15499
Autopsy . . . . .	101	25					195	20		28	64	433
Blood Smears . . . . .	266					26		159		3721	282	4454
Tissue Blocks . . . . .	12641											12641
NUMBER OF EXAMINATIONS FOR THE YEAR . . . . .	19823	1731			2826	26	1186	179		5057	2199	33027

TABLE III—Continued  
 DIVISION OF LABORATORIES—DEPARTMENT OF HEALTH, ONTARIO  
 TOTAL VOLUME OF WORK PERFORMED BY THE DIVISIONAL LABORATORIES FOR THE YEAR OF 1943

TYPE OF SPECIMEN	Tor-onto	Lon-don	Oe-tawa	Fort Wil-liam	Rich. Lab. King-ston	North Bay	Peter-boro	Sault Ste. Marie	Ensol King-ston	Belle-ville	St. Cath-arines	Total
Blood Groupings.....	162	44	.....	6814	.....	1	5661	99	.....	1718	271	14608
Aschemi-Zondek.....	16007	8	.....	294	35	649	379	6	.....	27	.....	203
CHEMISTRY—Blood Sugar.....	2762	696	623	86	.....	119	.....	567	643	662	362	23705
Non Protein Nitrogen.....	124	21	22	.....	.....	.....	.....	1	94	110	183	4051
Water.....	6803	198	42	194	12	36	139	409	1480	288	82	576
Miscellaneous.....	135	.....	.....	.....	.....	.....	.....	2346	.....	.....	.....	11620
Coal—Calorific Value.....	152	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	135
Moisture.....	222	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	152
Ash.....	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	222
Volatile.....	1317	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38
Liquors—Alcohol.....	181	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1318
Beers.....	861	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	181
Spirits.....	142	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	861
Wines.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	142
NUMBER OF EXAMINATIONS FOR THE YEAR.....	28906	4451	687	7388	47	805	6179	3429	2217	2805	898	57812
GRAND TOTAL OF EXAMINATIONS FOR THE YEAR.....	816807	119941	94601	68737	11828	43943	17732	16336	59999	17016	13731	1280671
DIAGNOSTIC OUTFITS DISTRIBUTED:												
Wassermann.....	1196790	59045	63766	9837	12697	15097	2015	2963	.....	3083	2941	.....
Gonococcus Smears.....	42164	5195	5235	2560	2144	3148	1542	588	.....	1111	652	.....
Non Protein Nitrogen.....	6273	906	249	106	65	150	124	81	.....	191	163	.....
Pin Worm.....	1133	111	342	10	60	85	17	.....	.....	21	7	.....
Miscellaneous.....	6403	718	418	.....	261	690	202	56	.....	486	121	.....
Dark Field.....	1703	164	236	55	6	121	8	1	.....	73	18	.....
Cows' Bloods.....	164	164	.....	50	.....	.....	.....	.....	.....	.....	.....	.....
Spinal Fluids.....	3918	313	380	615	86	292	60	155	.....	131	64	.....
Gonococcus Cultures.....	2039	557	554	529	.....	.....	.....	96	.....	25	.....	.....
Blood Cultures.....	2207	385	170	139	15	60	40	19	.....	152	61	.....
Whole Bloods.....	1803	273	154	141	19	50	40	.....	.....	117	69	.....
Restaurant.....	236	290	.....	6	.....	68	.....	.....	.....	.....	.....	.....
Beverage Room.....	15	.....	.....	205	.....	42	137	.....	.....	.....	.....	.....
Pathology.....	9134	1019	248	.....	448	568	.....	291	.....	60	519	.....

TABLE III—Continued  
 DIVISION OF LABORATORIES—DEPARTMENT OF HEALTH, ONTARIO  
 TOTAL VOLUME OF WORK PERFORMED BY THE DIVISIONAL LABORATORIES FOR THE YEAR OF 1943

TYPE OF SPECIMEN	Tor-onto	Lon-don	Ott-awa	Fort Wil-liam	Rich. Lab. King-ston	North Bay	Peter-boro	Sault Ste. Marie	Ensol King-ston	Belle-ville	St. Cath-arines	Total
Bacteriological Water Bottles—												
With Containers . . . . .	12236	1905	1450	1058	489	710	843	154		553	166	
Without Containers . . . . .	472	3646	7802	7121	249	2142	284	4458		697	232	
Diphtheria . . . . .	11933	2001	3438	2881	1425	1127	651	1518		533	874	
Sputum . . . . .	36923	4866	3223	1718	2555	1421	424	784		557	272	
Blood Sugars . . . . .	20159	4190	856	393	343	696	26			115	112	
Feces . . . . .	6895	623	451	208	90	436	173			175	54	
Streptococcus . . . . .	6446	264	108									
Special Serological . . . . .		463				72						
Mastitis . . . . .												
TOTAL . . . . .	1373152	87098	89513	27632	20952	26975	6586	11355		8080	6325	
PRODUCTS DISTRIBUTED:												
Rabies Vaccine (No. of Packages) . . . . .	48	5										
Pertussis . . . . .	30524	2938	3337	403	646	1913	1340	228		625	820	
T.A.B. Vaccine . . . . .	2202	346	140	343	90	203	27	5		33	50	
TOTAL . . . . .	32774	3289	3477	746	736	2116	1367	233		658	870	
PRODUCTS PREPARED AND DISTRIBUTED:												
Bismuth Oxycarbonate—Gr. . . . .	365712											
Mercury Salicylate—Gr. 1 . . . . .	1728											
Silver Nitrate— $\frac{1}{2}$ oz. . . . .	2160	113	144	37		102	40	37		23	70	
"                  " $\frac{1}{4}$ oz. . . . .												
TOTAL . . . . .		113	144	37		102	40	37		23	70	



Tables IV and V indicate the nature of the Laboratories' diagnostic facilities granted to the Canadian Army and the Royal Canadian Air Force. It will be noted from the following tables that the Divisional Laboratories conducted 84,474 examinations for the R.C.A.F. and 119,369 for the Canadian Army.

TABLE IV

ONTARIO DEPARTMENT OF HEALTH—DIVISION OF LABORATORIES  
VOLUME AND PERCENTAGE OF EXAMINATIONS PERFORMED FOR THE  
ROYAL CANADIAN AIR FORCE—1943

Nature of Examination	Total Number of Examinations Performed for the Central Laboratory	Total Number of Examinations Performed for the Air Force	Percent
Bacteriological.....	142,696	9,829	6.9
Pathological.....	19,823	269	1.4
Serological.....	625,382	41,122	6.6
Chemical.....	28,906	546	1.9
Total Number of Examinations done by Central Laboratory.....	816,807	51,766	6.3
Total Number Examinations done by Branch Laboratories.....	463,864	32,708	7.1
Total Number of Examinations done by Division of Laboratories.....	1,280,671	84,474	6.5

TABLE V

ONTARIO DEPARTMENT OF HEALTH—DIVISION OF LABORATORIES  
VOLUME AND PERCENTAGE OF EXAMINATIONS PERFORMED FOR THE  
ARMY—1943

Nature of Examinations	Total Number of Examinations Performed by the Central Laboratory	Total Number of Examinations Performed for the Army	Percent
Bacteriological.....	142,696	14,586	10.2
Pathological.....	19,823	499	2.5
Serological.....	625,382	46,714	7.5
Chemical.....	28,906	1,749	6.1
Total Number of Examinations performed by the Central Laboratory.....	816,807	63,548	7.8
Total Number of Examinations performed by the Branch Laboratories.....	463,864	55,821	12.3
Total Number of Examinations performed by the Laboratory Division.....	1,280,671	119,369	9.3

A brief note relative to some of the diagnostic procedures conducted at the Central Laboratory follows:

*Diphtheria:*

Table VI indicates the number of swabs submitted to the Central Laboratory to determine the presence or absence of *C. diphtheriae*. As a routine procedure when a diphtheria swab is submitted to the Central Laboratory, the swab containing the exudate is rubbed over the surface of a chocolate tellurite slant, as well as over the surface of a Klebs Loeffler slant.

TABLE VI  
ONTARIO DEPARTMENT OF HEALTH—CENTRAL LABORATORY, 1943  
DIPHTHERIA

CULTURES			VIRULENCE TESTS		
Positive	Negative	Total	Positive	Negative	Total
323	5,229	5,552	84	119	203

Virulence tests conducted on microscopically typical and atypical diphtheria bacilli. Of the 5,552 swabs submitted, 323 showed the presence of an organism resembling *C. diphtheriae* on direct examination. Of 203 cultures subjected to toxicity tests, 84 were found to contain true toxin producing diphtheria organisms. This includes not only specimens submitted from the civilian population but from the personnel of the Armed Forces.

Table VI(a) outlines the cultural examination results on specimens submitted from the personnel of the R.C.A.F., the Canadian Army, Navy and civilian population. It will be noted that of the specimens submitted from the personnel of the R.C.A.F., none were found to contain toxin producing diphtheria organisms.

TABLE VI (a)  
CULTURAL EXAMINATION RESULTS *C. DIPHTHERIAE*

	Number Cultures Examined	Number Positive	% Positive	Number Negative	% Negative
Air Force.....	620	10	1.61	610	98.39
Army.....	542	36	6.64	506	93.36
Navy.....	518	55	10.61	463	89.39
Civilian Population.....	3,872	222	5.73	3,650	94.27

NOTE: These positive smears include typical and atypical diphtheria bacilli.

TOXICITY TEST RESULTS ON CULTURES WHICH POSSESSED MORPHOLOGICAL CHARACTERISTICS OF *C. DIPHTHERIAE*

	Number Toxicity Tests Done	Number Positive	% Positive	Number Negative	% Negative	Failed to Isolate
Air Force.....	5	0	0	5	100	0
Army.....	25	14	56.0	10	40	1
Navy.....	11	2	18.18	9	81.82	0
Civilian Population	162	68	41.97	81	50	13

*Tuberculosis:*

In Table VII it will be seen that of 20,680 smear preparations prepared at the Central Laboratory, 1,450 or 6.39 percent were found to contain tubercle bacilli.

TABLE VII  
TUBERCULOSIS

Microscopic Smear Examination Results for the Presence of Tubercle Bacilli

Number Examinations	Number Positive	% Positive	Number Negative	% Negative
22,680	1,450	6.39	21,230	93.61

TABLE VIII  
CENTRAL LABORATORY  
CULTURAL EXAMINATIONS FOR TUBERCLE BACILLI

November 1, 1942–October 31, 1943

TYPE OF SPECIMEN	Number of Specimens	POSITIVES		Total Positives	Negative Cultures	% Positives
		4 Weeks	8 Weeks			
Sputa.....	10,058	212	364	576	9,482	5.7
Pleural Fluids.....	370	27	14	41	329	11.1
Urines.....	763	42	22	64	699	8.4
Left Kidney Urine..	284	4	3	7	277	2.5
Right Kidney Urine.	267	2	2	4	263	1.5
Glands.....	83	3	6	9	74	10.8
Pus.....	122	17	6	23	99	18.8
Joint Fluids.....	97	5	2	7	90	7.2
Miscellaneous.....	137	2	5	7	130	5.1
Spinal Fluids.....	56	2	5	7	49	12.5
Gastric Contents...	146	2	1	3	143	2.1
	12,383	318	430	748	11,635	6.0

In Table VIII it will be noted that of 12,383 specimens submitted for cultural examination to determine the presence or absence of tubercle bacilli, 748 or 6 per cent yielded a growth of tubercle bacilli. This percentage is somewhat lower than in previous years. This may be due to the fact that a large number were submitted, and that for a period of three months, cultural examination was done as a routine on all samples submitted. Specimens other than sputum submitted for examination for tuberculosis are subjected to both cultural and animal inoculation tests. Table IX outlines the results on a comparative study using these two test methods in the examination of 15,022 specimens.

TABLE IX  
CENTRAL LABORATORY  
COMPARATIVE STUDY OF CULTURAL AND ANIMAL INOCULATION  
TESTS FOR TUBERCLE BACILLI

November 1, 1942–October 31, 1943

TYPE OF SPECIMEN	Total Number	Guinea Pigs		Cultures Pos.	Cultures Neg.
		Negative	Positive	Pig Neg.	Pig Pos.
Sputa . . . . .	32	24	8	2	3
Urines . . . . .	269	212	57	3	9
Left Kidney Urine . . . . .	151	136	15	0	3
Right Kidney Urine . . . . .	128	121	7	0	2
Glands . . . . .	24	18	6	0	1
Pus . . . . .	54	38	16	0	3
Joint Fluids . . . . .	56	50	6	0	0
Spinal Fluids . . . . .	63	50	13	0	1
Pleural Fluids . . . . .	240	208	32	4	12
Gastric Contents . . . . .	447	425	22	0	0
Miscellaneous . . . . .	58	48	10	1	3
	1,522	1,330	192	10	37

*Pneumococcus Typing:*

Due to an increase in the number of recognized pneumococcus types to 40, a rearrangement of groups was found desirable. The procedure is to test each specimen with each of nine groups of type sera and then, if positive with the group of sera, with each of the individual types composing that group. In the Central Laboratory, all of the type sera are maintained but now the Branch Laboratories have only types 1, 2, 3, 4 and 5 in addition to the groups. Where the smaller unit isolates a pneumococcus other than type 1, 2, 3, 4 or 5, the specimen is sent to the Central Laboratory for final identification. This change was made in order to conserve serum and in view of the introduction of sulphonamide therapy which has obviated the necessity for immediate identification of type.

TABLE X  
SPECIMENS EXAMINED FOR PNEUMOCOCCUS TYPING—1943  
NATURE OF SPECIMEN

Pneumococcus Type	Sputum	Pleural Fluid	Cerebro-Spinal Fluid	Throat Swabs	Ear Swabs	Mastoid Swabs	Eye Swabs	Miscellaneous	Total
1.....	51	7	....	...	1	...	...	...	59
2.....	56	3	....	...	1	...	...	...	60
3.....	81	2	1	2	2	...	...	1	89
4.....	49	...	....	...	...	...	...	...	49
5.....	55	2	1	...	1	1	...	...	60
6.....	44	...	....	1	...	...	...	...	45
7.....	49	...	2	...	1	...	...	...	52
8.....	57	...	....	...	...	...	...	...	57
9.....	36	...	....	...	...	...	...	1	37
10.....	10	...	....	...	...	...	...	...	10
10A.....	35	...	....	...	...	...	...	...	35
11.....	29	...	....	...	...	...	...	...	29
11A.....	37	...	....	...	...	...	...	1	38
12.....	16	...	....	...	...	...	...	...	16
13.....	50	...	....	...	...	...	...	...	50
14.....	12	...	....	...	...	...	...	...	12
15.....	18	...	....	...	...	...	...	...	18
16.....	26	...	....	...	...	...	...	...	26
17.....	2	...	....	...	...	...	...	...	2
18.....	36	...	....	...	...	...	...	...	36
18A.....	25	...	1	...	...	...	...	...	26
19.....	43	...	....	...	...	...	...	...	43
20.....	49	...	....	...	...	...	...	...	49
21.....	17	...	....	...	...	...	...	1	18
22.....	25	...	....	...	...	...	...	1	26
23.....	6	...	....	1	1	...	...	...	8
24.....	20	...	....	...	...	...	...	...	20
24A.....	5	...	....	...	...	...	...	...	5
25.....	12	...	....	1	...	...	...	...	13
26.....	5	...	1	...	...	...	...	...	6
27.....	15	...	....	...	...	...	...	...	15
28.....	26	...	....	...	...	...	...	1	27
29.....	7	...	....	...	...	...	...	...	7
30.....	10	...	....	...	...	...	...	...	10
31.....	11	...	....	...	...	...	...	...	11
32.....	37	...	....	...	...	...	...	...	37
33.....	6	...	1	...	...	...	...	...	7
34.....	20	...	....	...	...	...	...	...	20
35.....	40	...	....	...	...	...	...	...	40
35A.....	3	...	....	...	...	...	...	...	3
36.....	15	...	....	...	...	...	...	...	15
37.....	17	...	....	...	...	...	...	...	17
38.....	2	...	....	...	...	...	...	...	2
39.....	10	...	....	...	...	...	...	...	10
40.....	19	...	....	...	...	...	...	...	19
Multiple.....	146	...	....	...	...	...	...	...	146
Undetermined.....	63	...	....	...	...	...	1	...	64
Negative.....	1,236	3	10	22	9	1	...	6	1,287
Total.....	2,641	17	17	27	16	2	1	12	2,733

It is hoped that in the not far distant future, a mycological section will be established. In the meanwhile this work is being conducted by Dr. W. B. McClure, Senior Bacteriologist.

285 cultural examinations for fungus organisms were conducted. Table XI indicates the type of fungus isolated and the source from which the isolation was made.

TABLE XI  
FUNGUS CULTURES—1943

	Sputa	Hand	Foot	Skin	Nails	Hair	Miscellaneous	Total
Negative.....	91	20	20	16	9	18	16	190
Monilia.....	47	4	4	9	1	...	3	68
Aspergillus.....	8	2	1	...	...	...	1	12
Penicillium.....	8	...	...	...	...	...	1	9
T. Gypseum.....	...	...	1	...	2	...	...	3
T. crateriforme.....	...	...	...	...	1	...	...	1
E. floccosum.....	...	...	...	1	...	...	...	1
M. lanosum.....	...	...	...	...	...	1	...	1
	154	26	26	26	13	19	21	285

In the year 1942 the Central Laboratory identified seven strains of actinomyces from specimens submitted from human beings and in 1943 has identified six strains, as indicated in Table XI(a).

The examination of Table XI(a) indicates that the isolation of actinomyces was made from 6 of 38 specimens received.

TABLE XI (a)  
CULTURAL EXAMINATIONS FOR ACTINOMYCES—1943

	Negative	Positive
Glands and Pus	22	2
Sputa	2	1
Pleural Fluid	7	3
Jaw	6	...
Abdomen	1	...
	38	6

*Streptococcal Identification:*

Table XII indicates the group identifications made in the Central Laboratory during the year 1943.

TABLE XII  
STREPTOCOCCUS HAEMOLYTICUS—1943

SOURCE	GROUP									Strepto- coccus viridans	Group Undeter- mined
	A	B	C	D	E	F	G	H	K		
Throat.....	427	24	17	4	6	7	7	..	4	..	9
Nose.....	1	..	..	..	..	..	..	..	..	1	..
Antrum.....	22	..	..	..	..	..	..	..	..	..	..
Neck abscess.....	2	..	..	..	..	..	..	..	..	..	..
Tonsil.....	..	..	..	..	..	1	..	..	..	..	..
Cervical gland.....	2	..	..	..	..	..	..	..	..	..	..
Sputum.....	10	..	..	..	..	..	1	..	..	..	3
Mastoid.....	4	..	..	..	..	..	..	..	..	..	..
Ear.....	4	..	..	..	..	..	..	..	..	..	..
Hand.....	1	..	..	..	..	..	..	..	..	..	..
Peritoneal cavity.....	1	..	..	..	..	..	..	..	..	..	..
Thigh abscess.....	1	..	..	..	..	..	..	..	..	..	..
Spinal fluid.....	2	..	..	..	..	..	..	..	..	..	..
Blood.....	1	..	..	..	..	..	..	..	..	..	..
Knee.....	2	..	..	..	..	..	..	..	..	..	..
Tibia.....	1	..	..	..	..	..	..	..	..	..	..
Cervix and Urethra.....	1	3	..	..	..	..	..	..	..	..	1
Vagina.....	5	..	..	..	..	..	..	..	..	..	..
Lochia.....	..	..	..	..	..	..	..	..	..	..	1
Urine.....	..	..	..	..	..	..	..	..	..	..	1
Milk.....	..	..	4	2	..	..	..	..	..	..	..
Not stated.....	17	1	3	..	..	..	..	1	..	..	..
Total.....605—	504	28	24	6	6	8	8	1	4	1	15

*Diagnosis of Enteric Infections:*

Whole blood specimens submitted to the Laboratory are treated against *S. typhi* "H", *S. typhi* "O", *S. paratyphi* B type, *S. paratyphi* B group, *S. paratyphi* A, *Brucella abortus* and *P. tularensis* antigens. Table XIII indicates the number of specimens examined and the number positive.

421 specimens were examined in which a positive reaction was obtained where the laboratory evidence would suggest that the reaction was post-vaccinal.

TABLE XIII  
WHOLE BLOODS—1943  
MACROSCOPIC AGGLUTINATION TESTS

TEST	Number Examined	Number Positive	% Positive
<i>S. typhi</i> "H" and "O".....	2,321	187	8.06
<i>S. paratyphi</i> A.....	2,321	0	..
<i>S. paratyphi</i> B.....	2,321	47	2.02
<i>S. typhi</i> Vi.....	324	1	.108
<i>Br. abortus</i> .....	2,321	75	3.23
<i>P. tularensis</i> .....	2,321	1	.043
<i>Br. melitensis</i> .....	12	..	..
<i>Sh. dysenteriae</i> Shiga.....	9	..	..
<i>Sh. paradysenteriae</i> Flexner.....	56	..	..
<i>Sh. paradysenteriae</i> Newcastle.....	10	..	..
<i>B. proteus</i> .....	6	..	..

Total Number Positive.....	311	2.52%
Total Number Negative.....	11,969	
Total Number of Examinations.....	12,280	

Of 276 samples of whole blood submitted for a test for heterophile antibodies, 18 or 6.52 percent were found to contain heterophile antibodies.

*Blood Culture:*

The clot from each whole blood specimen is crushed and cultured. Blood culture vials receive incubation under reduced oxygen tension. Plates are streaked twice, at the end of the 48th and 96th hour of preliminary incubation. Table XIV indicates the number of blood cultural examinations performed and the organisms isolated.

TABLE XIV  
BLOOD CULTURES—1943

ORGANISMS ISOLATED	Number Positive	%
Haemolytic Staphylococcus Aureus.....	49	1.54
Haemolytic Streptococcus.....	8	.25
Streptococcus viridans.....	9	.28
Non-haemolytic streptococcus.....	3	.09
Meningococcus.....	4	.12
Pneumococcus.....	2	.06
S. typhi.....	29	.91
S. paratyphi B.....	7	.22
Total Number Positive.....	111	3.50
Total Number Negative.....	3,068	
Total Number Examined.....	3,179	

Table XV outlines the cultural examination results on 5,184 specimens.

TABLE XV  
CULTURAL EXAMINATION OF FECAL AND URINE SPECIMENS—1943

ORGANISMS ISOLATED	Number Positive	%
S. typhi.....	85	1.64
S. paratyphi B.....	29	.56
S. typhimurium.....	9	.17
S. bareilly.....	4	.08
S. newport.....	10	.19
S. morgani.....	52	1.00
Sh. paradysenteriae Flexner.....	12	.23
Sh. paradysenteriae Sonne.....	1	.02
Total Number Positive.....	202	3.89
Total Number Negative.....	4,982	
Total Number Examined.....	5,184	

Table XVI is a classification of 230 unidentified salmonella-like strains referred to the Central Laboratory from other diagnostic centres. Of 127 strains



of *S. typhi* subjected to typing as to phage susceptibility, the following is the result:

Type A.....	11
Type C.....	15
Type E.....	63
Type F.....	7
Imperfect Vi form.....	31

TABLE XVI

## CULTURES SUBMITTED FOR IDENTIFICATION—1943

Classification of 230 *Salmonella* strains referred to the Central Laboratory, indicating the percentage isolated.

IDENTIFICATION	Number	%
<i>S. paratyphi</i> B.....	33	14.35
<i>S. typhi</i> murium.....	8	3.50
<i>S. bareilly</i> .....	14	6.09
<i>S. newport</i> .....	14	6.09
<i>S. enteritidis</i> .....	4	1.75
<i>S. paratyphi</i> C.....	1	.44
<i>S. Virchow</i> .....	1	.44
<i>S. typhi</i> .....	34	14.38
<i>S. columbensis</i> .....	11	4.78
<i>S. morgani</i> .....	2	.88
<i>B. coli</i> .....	16	6.96
Late lactose fermenting coliform organisms.....	18	7.80
<i>Alcaligenes faecalis</i> .....	2	.88
Haemolytic paracolons.....	1	.44
<i>B. proteus</i> .....	7	2.04
Non-pathogens.....	46	20.00
<i>Sh. paradysenteriae</i> Sonne.....	5	2.17
<i>Sh. paradysenteriae</i> Flexner.....	1	.44
<i>Sh. paradysenteriae</i> Newcastle.....	2	.88
<i>Sh. alcalescens</i> .....	10	4.34
Number Examined.....	230	

Table XVII shows the microscopic examination results of 356 specimens submitted for the identification of parasitic ova.

TABLE XVII

## PARASITES AND PARASITIC OVA

	Number Positive	%
<i>Oxyuris vermicularis</i> .....	56	15.73
<i>Taenia saginata</i> .....	4	1.12
<i>Diphyllobothrium latum</i> .....	1	.28
<i>Ascaris lumbricoides</i> .....	1	.28
Pupa of fly.....	1	.28
Amoebic cysts.....	0	.....
Number Positive.....	63	17.70
Number Negative.....	293	
Number Examined.....	356	

During the year 1943, Dr. W. B. McClure visited two nurseries where epidemics of acute infectious intoxication occurred. Epidemiological data were obtained and specimens of faeces from infants, nurses and mothers in the affected units were examined. 289 specimens were examined. Haemolytic *B. coli* was more frequently present in the stools of sick infants than in normal infants in the same nursery. Further work has been done on the strains of colon organisms isolated. A paper, "The Care of the Newborn Infant", was presented by Dr. McClure at the Ontario Hospital Association meeting in June, 1943.

TABLE XVIII  
NURSERY EPIDEMICS—1943  
TYPES OF SPECIMENS RECEIVED FROM NURSERY

FÆCES			Miscellaneous	Feedings	Total
Infants	Nurses	Mothers			
154	68	28	34	5	289

*Syphilis:*

The Divisional Laboratories have adhered to a uniform method of testing blood samples, and the diagnostic procedures conducted are identical with those outlined in the Annual Report for the year 1942. In addition to these diagnostic tests mentioned, studies are conducted in special instances utilizing Hinton, Boerner Lukin and other test methods.

During the year the Division of Laboratories conducted 854,328 serological examinations. Table XVIII outlines the number of examinations performed at the Central and each of the other Divisional Laboratories.

TABLE XIX  
SEROLOGY TESTS PERFORMED BY DIVISION OF LABORATORIES—1943

	Volume	Army	Air Force	Navy	Red Cross	Industrial
Central Laboratory.....	625,382	46,714	41,122	.....	385,475	15,141
London.....	64,232	6,524	10,592	1,265	1,155	5,113
Ottawa.....	49,065	10,231	7,934	222	.....	.....
Fort William.....	36,426	940	363	102	14,405	94
Richardson.....	106	89	.....	.....	.....	.....
North Bay.....	23,389	1,557	374	.....	.....	4,885
Peterboro.....	2,307	112	82	.....	.....	.....
Sault Ste. Marie.....	3	.....	.....	.....	.....	.....
Kingston.....	46,162	19,331	4,003	342	.....	.....
Belleville.....	1,240	.....	6	.....	.....	.....
St. Catharines.....	6,016	578	106	.....	.....	361
Total for Division of Laboratories	854,328	86,076	64,582	1,931	401,035	25,594
Total for Branches.....	228,946	39,362	23,460	1,931	15,560	10,453

*Spinal Fluids:*

Table XX outlines the bacteriological results obtained in connection with the examination of 971 spinal fluid specimens, 198 of which showed an increased cell count.

TABLE XX

## BACTERIOLOGICAL SPINAL FLUIDS FOR YEAR 1943

Of 971 Spinal Fluids submitted, 198 showed an increased cell count. Cultural examinations were made, as recorded below:

MENINGOCOCCI:	
Culture Positive, Smear Positive—Type I.....	19
Culture Negative, Smear Negative.....	6
	— 25
PNEUMOCOCCI:	
Type III.....	2
“ V.....	2
“ VII.....	4
“ XVIII.....	1
“ XXV.....	1
“ XXXIII.....	1
	— 11
TUBERCLE BACILLI:	
Direct Smear Positive.....	2
Culture Positive.....	7
Animal Inoculation Test Positive.....	13
	— 22
H. INFLUENZÆ:	
Smear and Culture Positive.....	6 6
HAEMOLYTIC STREPTOCOCCI:	
Smear and Culture Positive.....	3 3
NUMBER OF SPECIMENS WHICH YIELDED NEGATIVE CULTURAL RESULTS	131
Total.....	198

*Psittacosis Infection:*

No human psittacosis infection has been identified in the past year. The method of registration of psittacine birds has been followed as described in the report of last year. We are pleased to state that the aviary owners have, for the most part, co-operated most whole-heartedly and at this time we wish to extend our thanks to Mr. Harry Jackson of the Toronto Health Department for his excellent co-operation in this work.

The following will serve as a brief summary of the work conducted in the Queen Street Laboratory:

1. A method of preparation of Br. abortus vaccine from infected chick embryo has been worked out. The antigenic property of such a vaccine has been investigated and compared with that of formalin killed and oxidized vaccines.
2. Considerable time was devoted to the development of a complement fixation test for Vole bacillus. A number of antigens for serological tests have been prepared by different methods and an attempt has been made to isolate the antigenic fraction of the bacillus. An attempt has also been made to employ the complement fixation test for determining comparative antigenicity of heat killed, oxidized and merthiolate-killed Vole vaccine.
3. The effect of surroundings of high reducing intensity on the viability of gonococcus has been partially investigated.
4. The possibility of employment of chick embryos for the diagnosis of tuberculosis has been investigated.

5. A number of antigens for complement fixation test were prepared by different methods from lymphocytic chorio meningitis, St. Louis encephalitis and Eastern equine encephalomyelitis viruses. Investigations leading towards the development of more sensitive and reliable serological tests for the above viruses are still in progress.
6. Neutralization of lymphocytic chorio meningitis virus by immune body is being investigated. Preliminary work on simplification of the technique of setting up the neutralization test has been completed.

The following is a report from Dr. M. C. Dinberg, Pathologist, Central Laboratory:

"I have the honour to submit a review and report of the work done during the year 1943 in the Pathology Section at the Central Laboratory.

"The total volume of examinations performed number 7,182 as compared to 8,473 for the year 1942.

"In March, 1943, Dr. S. A. Creighton left the section to take a commission in the R.C.A.M.C. I assumed the post at that time. Several technicians have been trained in tissue technique during the past year. Students in the Army Medical Corps training class have had an opportunity to observe the work of the section.

"Professor W. L. Robinson was appointed officially as Consultant to the section and his assistance has been valuable. Grateful acknowledgement is made for the co-operation received from consultants Professor James Miller and Dr. E. A. Linell, during the past year. The advice and counsel of Dr. A. L. MacNabb, Director, has been deeply appreciated. "Respectfully submitted."

TABLE XXI  
PATHOLOGICAL TISSUE SECTION

The work of the Section in 1943 is outlined in the tables below:

Paraffin Tissue Sections.....	6,815
Blood Smears.....	266
Tissue Blocks.....	12,641
Autopsies.....	101
Total.....	19,823

ANALYSES OF PATHOLOGICAL SPECIMENS, 1930-1943

Year	Number of Surgicals	Number of Autopsies	Total Specimens	Total Malignant	% Malignant of Total Specimens
1930	599	9	609	132	21.1
1931	2,625	46	2,671	422	15.8
1932	3,083	50	3,113	440	14.1
1933	3,652	23	3,675	392	10.7
1934	4,683	33	4,716	563	11.9
1935	5,553	44	5,597	579	10.3
1936	5,919	48	5,967	595	9.8
1937	6,917	87	7,004	589	8.4
1938	8,512	146	8,658	768	8.8
1939	8,554	125	8,679	637	7.3
1940	10,738	122	10,860	756	6.9
1941	11,970	119	12,145	661	5.4
1942	8,247	83	8,473	802	9.5
1943	6,815	101	6,916	570	8.2

TABLE XXII  
PATHOLOGICAL TISSUE DIAGNOSTIC SERVICE EXTENDED TO—

MONTH	CIVILIAN			ARMY			AIR FORCE			NAVY		
	Surgicals	Blood Smears	Autopsies	Surgicals	Blood Smears	Autopsies	Surgicals	Blood Smears	Autopsies	Surgicals	Blood Smears	Autopsies
Jan.....	502	8	3	35	1	1	13	1	2	0	0	0
Feb.....	431	7	4	20	0	0	9	4	1	0	0	0
Mar.....	551	14	14	54	1	0	16	10	0	0	0	0
Apr.....	500	21	8	31	0	0	16	12	2	0	1	0
May.....	479	24	8	28	1	0	12	9	1	1	0	0
June.....	528	29	8	38	1	1	6	9	5	1	0	0
July.....	431	9	6	42	1	0	7	24	2	0	0	0
Aug.....	683	18	5	53	0	1	15	11	1	0	0	0
Sept.....	541	8	5	44	0	1	7	1	2	0	0	0
Oct.....	556	10	0	55	0	0	25	1	2	0	0	0
Nov.....	552	14	10	54	0	0	21	3	1	0	0	0
Dec.....	407	11	5	36	0	0	15	1	2	0	1	0
	6,161	173	76	490	5	4	162	86	21	2	2	0

Total Surgical Tissue Sections—6,815  
Total Blood Smears—266

Total Autopsies—101.  
Total Number of Tissue Blocks—12,641

The following note was prepared by Mr. A. R. Bonham, B.A.Sc., F.C.I.C., Provincial Analyst, re the work conducted in the Chemical Section of the Central Laboratory:

"In Table III is a summary of the various analyses carried out in the Chemical Section of the Central Laboratory. A comparison of the number of the various types of specimens analyzed during 1943, with those done the previous year, shows that there was little difference with respect to chemical water, coals, liquors or of bloods tested for their content of sugar and non-protein nitrogen. However, there was an increase of 26 per cent in the number of chemical miscellaneous specimens, consisting chiefly of bloods tested for sulphonamide drugs, urea, phosphorus, sodium and potassium. Also the miscellaneous group includes the examination of specimens of gastric contents, spinal fluid and certain foods submitted by physicians in connection with illness believed to have been caused by their use.

"The teaching of members of the Army Classes in chemical analysis of blood, urine and water added materially to the work of the members of the analytical staff.

"There is also prepared in this section, all the distilled water and several of the reagents used by other sections of the Central Laboratory. In addition, there is produced for distribution to physicians, ampoules of a suspension of bismuth oxychloride, as well as one of mercury salicylate; one-half ounce bottles of one percent silver nitrate solution and ampoules of sterile distilled water. A summary of the amount of these is given in Table XXIII."

TABLE XXIII

Bismuth oxychloride (suspension).....	365,712 grains
Mercury salicylate (suspension).....	1,728 grains
Silver nitrate solution ( $\frac{1}{2}$ oz. dropper bottles).....	2,160
Sterile distilled water (20 cc. ampoules).....	28,892
Ordinary distilled water.....	1,180 gallons
Normal sodium hydroxide.....	165 ounces
Colloidal gold solution.....	220 litres

### FORT WILLIAM BRANCH LABORATORY

A. E. ALLIN, B.A., M.D., D.P.H., *Director*

I have the honour to submit herewith the Annual Report of the Branch Laboratory, Fort William, for the year 1943.

Routine examinations numbered 68,737, an increase of 30.2 percent over 1942. There was a slight decrease in the examinations of specimens from civilians but 3,009 tests were performed for the armed services and no less than 21,556 for the Red Cross. The latter were chiefly in connection with their blood serum service. Much of the equipment required for the Fort William, Port Arthur and Dryden Clinics was prepared and sterilized in this laboratory. 27,632 outfits, 2,586 biologicals and 1,806 vials of insulin were distributed from this centre during the year 1943.

No major epidemics were encountered during the year and only a few sporadic cases of diphtheria and typhoid fever occurred in the area served.

There has been much discussion on the incidence of venereal diseases in Canada. Particular stress has been laid on the incidence of syphilis in people unaware of the fact they were suffering from the disease. Various figures have

been quoted on the volume of these so-called "hidden" cases, but there has been an unfortunate lack of details as to the source of such information. There is a general impression that these diseases are rapidly increasing. We noted an increase of 6.7 percent in the number of cases of Gonorrhoea over 1942 following a decrease of 26 percent in 1942 as compared with the figures for 1941. In the case of Syphilis, however, a decrease of 26 percent was noted in 1942 when 232 cases were diagnosed by laboratory methods. This decline continued in 1943 when 156 new cases were detected, or a further decrease of 33 percent. The majority of these were "old" cases, only 16 dark field specimens being found positive during the year, although the physicians, in general, utilize the laboratory for the examination of even suspicious lesions.

Regarding "hidden" cases, the incidence in supposedly healthy donors' presenting themselves to the Red Cross Blood Donors service, should be of significance. As noted above, serological tests were performed on all donations received by the Fort William, Port Arthur and Dryden clinics. From their inauguration late in 1942, until the end of 1943, 16,152 donations were received from 7,881 donors. Thirteen positive serological reactions, believed specific for syphilis, were obtained, an incidence of 0.165 percent. (See Table I.)

A second source of information on the incidence of these cases is the number of tests, positive for syphilis, found in the serological tests performed on bloods from hospital patients. The local general hospitals submit routine bloods from all obstetrical cases and all adult public ward patients. Blood from a few private ward patients and children are also examined. 4,944 such specimens were received during 1943, and 41 cases were detected, an incidence of 0.83 per cent. It is possible that some of these were previously known cases. The incidence of unknown cases is at least no greater than the above-mentioned figures. It is of further interest to note that no positive cases were detected in the 1,603 obstetrical patients examined. (See Table II.)

Lectures on Bacteriology and Immunity were again given the nurses of the three local hospitals. They also availed themselves of the privilege of visiting the laboratory in connection with their public health training. The routine swabbing of the throats of nurses on certain hospital services was continued. Strains of Haemolytic Streptococci isolated from these and other sources were grouped by Lancefield's method and identified as to Griffith's types in co-operation with Dr. Frieda Fraser of the Connaught Laboratories.

Two contributions to the literature were made during the year. "A Preliminary Investigation of Summer Diarrhoea in a Summer Resort Region: Water Supplies and Dish-washing Efficiency" was published in the Canadian Journal of Medical Technology (Vol. 5, No. 2, pp. 45-51). The American Journal of Diseases of Children printed our letter "Specific Antiserum against Ricin" (Vol. 64, No. 6, p. 1097).

I again wish to express my thanks to Dr. A. L. MacNabb for his continued co-operation and assistance during the past year. I also take this opportunity to thank the members of my staff for their unfailing efforts, without which we could not have performed the relatively large volume of work completed in 1943.

TABLE I  
INCIDENCE OF SYPHILIS IN RED CROSS BLOOD DONORS  
FORT WILLIAM, PORT ARTHUR, DRYDEN CLINICS  
1942-43

CLINIC	Dona- tions	MALE		FEMALE		TOTAL		
		Donors	Positive Sero- logical Tests	Donors	Positive Sero- logical Tests	Donors	Positive Sero- logical Tests	Percent Positive
Fort William.....	9,223	2,628	6	1,532	0	4,160	6	0.144
Port Arthur.....	6,099	2,364	4	842	2	3,206	6	0.187
Dryden.....	830	258	0	257	1	515	1	0.194
Total.....	16,152	5,250	10	2,631	3	7,881	13	0.165

TABLE II  
INCIDENCE OF SYPHILIS IN HOSPITAL PATIENTS—1943  
DISTRICT OF THUNDER BAY

Hospital	PATIENTS			Number Bloods Examined	Number Bloods Sero- logically Positive	Percent Positive	Obstet- rical Cases	Obstetrical Cases Sero- logically Positive
	Total	Children and Newborn	Adults					
A	5,842	1,850	3,992	1,919	11	0.57	722	0
B	3,828	804	3,024	1,865	23	1.23	450	0
C	3,163	853	2,310	1,160	7	0.60	431	0
Total	12,833	3,507	9,326	4,944	41	0.83	1,603	0

### RICHARDSON LABORATORY, QUEEN'S UNIVERSITY, KINGSTON

PROFESSOR JAMES MILLER, M.D., F.R.C.S. (*Edin.*), F.R.C.P.E., *Director*

The statistics of the work done in the Richardson Laboratory, Queen's University, Kingston, during the past year, are herewith submitted.

It will be noted that the volume of work done has increased considerably. The total reports issued in 1943 were 12,147 as compared with 9,794 in 1942. Increases are to be noted in almost all departments and the amount of work done for the Army has more than doubled. The number of diagnostic outfits distributed has risen from 14,104 in 1942 to 20,952 in 1943.

As regards the problems which have arisen during the year, I would mention two:

1. The large number of swabs taken from hospital staff, surgical, maternity and pediatrics, with a view to excluding carriers of pathogenic staphylococci and streptococci, indicates that we have an important problem on our hands in relation to outbreaks of infection in institutions. The question of the proper procedure and the length to which the laboratory should go in trying to determine the pathogenicity of these organisms arises.



2. A number of cases of intestinal disturbances have occurred in which non-lactose fermenting organisms have been found but identification with any known pathogen has not been possible.

Finally I would draw attention to the tendency of small hospital laboratories to use outfits intended for special purposes for local general use. This practice is to be strongly deprecated.

May I again draw attention to the loyal service rendered by all the members of the laboratory staff under increasingly difficult war conditions.

I would wish, as in former years, to express my gratitude to you, Sir, and to Dr. MacNabb for your kindness and ready co-operation.

INSTITUTE OF PUBLIC HEALTH, UNIVERSITY OF  
WESTERN ONTARIO, LONDON

A. J. SLACK, PH.C., M.D., D.P.H., *Director*

I have the honour to submit, herewith, the annual report of laboratory examinations made during the year 1943 by the Branch Laboratory of the Department located in the Institute of Public Health, London.

Laboratory examinations made during the year numbered 119,941 as compared with 123,478 examinations for the previous year. In the summer of 1942 the Department adopted the Presumptive Kahn test as a screen test in the routine serological examinations for syphilis, eliminating certain other tests which had previously been included in the routine of all specimens. The immediate effect in this laboratory was a reduction of approximately 2,000 laboratory examinations each month. This decrease continued into 1943 and during the first quarter of 1943 we made 6,130 fewer examinations than were made during the first quarter of 1942. The latter portion of the year showed a marked increase in the average number of specimens received each month.

During the year, 24,703 laboratory examinations were made for the Army, Navy and Air Force. In addition to this there were 5,165 examinations for War Industries and 1,155 examinations for the Red Cross.

Outfits for the collection of specimens reclaimed and prepared for redistribution numbered 83,096, and 87,130 outfits were distributed as compared with 71,787 outfits reclaimed and 71,949 outfits distributed during 1942. Biologicals distributed from this centre, exclusive of insulin, numbered 21,959 packages as compared with 20,957 packages distributed during 1942. Free insulin distributed amounted to 4,514 packages or 1,769,200 units of ordinary insulin and 3,021 packages or 1,378,400 units of Protamine Zinc insulin. This is 1,089 packages or 314,000 units less free insulin distributed than during the previous year.

There has been the usual variation throughout the year in the number of the various kinds of specimens submitted for laboratory examination, the most marked increase being noted in specimens received for blood chemistry and for the diagnosis of syphilis and gonorrhoea.

My appreciation is again extended to the staff of the Institute and to Dr. MacNabb and the staff of the Central Laboratory for their hearty co-operation.

## NORTH BAY BRANCH LABORATORY

A. B. LAMB, B.Sc., *Director*

Enclosed please find a report of examinations made at this Branch Laboratory during 1943.

Most noticeable increases have been seen in the number of specimens examined for diphtheria and mastitis. The number of mastitis tests is outstanding due to the fact that none were conducted during 1942.

Decreases in the number of examinations are most noticeable in milk samples, water samples and in serology.

The total number of examinations for the year was 43,943 as compared with 50,498 in 1942. The difference in these figures is accounted for by the change made in the routine examination of serological specimens. The difference in these examinations is approximately equal to the difference in the number of Standard Kahn tests performed.

May I suggest that with our present staff we should be in a position to conduct experimental investigations for the Department. I feel that we would be able to devote considerable time to such studies without interfering with our present routine.

## OTTAWA BRANCH LABORATORY

E. L. BARTON, M.D., *Director*

I have the honour to submit herewith the Annual Report of this Branch Laboratory for the year 1943.

The total examinations for the year were 94,601 showing a decrease of 4,393 examinations from the previous year. This decrease was due to the decrease of 3,947 examinations in the Milk and Water section and a decrease of 7,817 examinations in the Serological section, making a total decrease of 11,764 examinations in these two sections. The increase in examinations in the remainder of the Laboratory, reduced this decrease to 4,393 examinations. The decrease in the Milk and Water section may be attributed mainly to the success of the Laboratory and the City of Ottawa Sanitary Inspectors in carrying out rigid control measures, thereby eliminating the necessity of performing many repeat examinations. The decrease in the Serological examinations was due to a change in the routine the previous year. In this change, the Standard Kahn Test was discontinued as a routine test on each specimen submitted and the Presumptive Kahn test was maintained as a screen test. The total number of specimens received for Serological examination showed an increase of 4,927 specimens.

The examinations performed during the year may be divided as follows:

	Number Examinations	Percentage
City of Ottawa.....	60,190	63.7
Ottawa District.....	16,024	16.8
Army.....	10,231	10.8
Air Force.....	7,934	8.4
Navy.....	222	0.3
	<hr/> 94,601	<hr/> 100.00

Three members have been added to the staff and two have left. Dr. Frank Letts, the former Director of the Laboratory, retired on December 1st of this year. Dr. Letts joined the Department in 1922 and served as Director of the Branch Laboratory in Ottawa during his twenty-one years of service. Two temporary summer employees served the Laboratory during the summer months.

The Milk and Water Laboratory and the Serological Laboratory were painted in the fall of 1943.

The following papers were published during the year:

"Field and Laboratory Problems in a Milk Control Programme." By Dr. H. D. Sparks and F. A. White, in the Canadian Journal of Medical Technology, December, 1943.

"A Comparison of Babcock and Roesse-Gottlieb for Determination of Butterfat in Milk." By F. A. White, in the Canadian Journal of Medical Technology, March, 1943.

The staff of the Ottawa Branch Laboratory wish to thank Dr. A. L. MacNabb, Director of Laboratories, and the staff of the Central Laboratory, for their co-operation during the year 1943.

## PETERBOROUGH BRANCH LABORATORY

C. B. WAITE, M.D., *Director*

I have the honour to submit my Annual Report for the year 1943, as follows:

The only epidemic has been one of so-called influenza, which has given us some additional work, with negative results. Diphtheria, typhoid and paratyphoid have been conspicuous by their absence. There has been some increase in gonorrhoea, but the increase has been small. This, of course, is in accordance with experience all over the country, and we probably have been less affected than some other centres of population.

There has been an additional increase in our work this year, particularly in blood groups done for the local Red Cross Society, and building up the local roster of blood donors for the community.

The amount of serology done for the Army has been small. Probably most of it is done at headquarters for the District, which is Kingston.

I wish to thank you as Director of the Laboratory for assistance and advice during the year.

All of which is respectfully submitted.

ST. CATHARINES GENERAL HOSPITAL  
PATHOLOGICAL LABORATORY

L. WHITAKER, M.D., *Director*

During the past year there has been one change on the staff of the laboratory. On February 15th Miss Florence Perry came to take over the work in serology from Miss Carr. After two weeks at the hospital she spent a month in Toronto at the serology laboratory in Mimico. Subsequently in June Dr. MacNabb suggested that she might spend a further two weeks in order that the routine as carried out here might more closely approximate that in vogue in Toronto at the Central Laboratory.

The outstanding improvement in the service within the hospital has been the establishment and maintenance of the Blood and Plasma Bank. Since inception of this service in December, 1942, 113 donors have been bled. On 36 occasions whole blood from the bank was used for transfusions and on 23 occasions processed plasma has been dispensed.

The expenses and income of the Bank furnish an interesting aspect of the service. Original equipment cost \$83.31. Replacements and containers cost \$277.75. Deducting the cost of containers on hand the net cost of the Bank has been \$130.05.

On the revenue side the chargeable revenue is \$1,444.00, refunds \$660.00. Of the net chargeable \$784.00 only \$105.00 was outstanding on November 1st. As a further asset approximately 7,000 cc. of processed plasma is on hand for subsequent use representing \$350.00.

Of the intangible assets there has been marked appreciation of the Medical Staff for this added service. There is much to be desired as at present there are not sufficient donors of the right type so that whole blood is always available. However, the ready access to a supply of plasma means that patients may be carried along until suitable donors are found and tested.

The year that has passed has seen an increasing use of the Laboratory as a distribution centre for biologicals and diagnostic outfits. We are glad to note that provision is being made for added accommodation as this service is greatly handicapped by a lack of accessible cupboards. It is hoped that a separate clean-up room, well supplied with cupboards, may relieve the space now in use to some extent.

The appended statistical summary gives some impression of the work which has been carried on.

Looking into the future it is felt that a full electric refrigerator, to replace the present one, and a freezing unit for plasma, will make possible more efficient service.

Respectfully submitted.

THE ST. CATHARINES GENERAL HOSPITAL  
PATHOLOGICAL LABORATORY  
STATISTICAL SUMMARY—1943

	Autopsies	Bacteriological	Serology	
Free Routine:				
St. Catharines—Hospital.....	27	1,869	902	
Outside.....	8	1,102	1,740	
Niagara Falls—Hospital.....	2	36	107	
Outside.....	7	22	112	
Welland—Hospital.....	5	249	52	
Outside.....	15	282	568	
Niagara-on-the-Lake—Hospital.....	..	9	..	
Outside.....	..	111	320	
Fort Erie—Hospital.....	1	125	180	
Outside.....	..	6	37	
Total—Hospital.....	35	2,188	1,241	
Outside.....	30	1,523	2,777	
	Surgicals	Chemicals	Blood Counts	Urines
Chargeable:				
St. Catharines—Hospital.....	1,172	194	2,126	6,438
Outside.....	47	214	426	90
Welland County—Hospital.....	356	89	17	..
Outside.....	12	86	1	..
Niagara Falls—Hospital.....	139	6	..	..
Outside.....	9	10	16	..
Niagara-on-the-Lake—Hospital.....	1	1	..	..
Outside.....	10	3	..	..
Fort Erie—Hospital.....	113	3	..	..
Outside.....	1	10	..	..
Total—Hospital.....	1,781	293	2,143	6,438
Outside.....	79	323	443	90
Grand Total—Specimens Examined—19,384				

SAULT STE. MARIE BRANCH LABORATORY

N. F. W. GRAHAM, B.A., M.B., *Director*

During the past year a very considerable amount of work has been done for the Army on Military Boards. Also some immunization and other services carried out for the Army stationed here. The first week of December, 1943, all troops were removed to other areas as it has been decided there is no longer much danger to the Ship Canal from bombing.

A considerable amount of work has been done for the War Memorial Hospital in Sault Ste. Marie, Michigan, as a Good Neighbour gesture in war times, as this hundred bed hospital has had difficulty in securing Laboratory staff sufficient to carry on.









SEVENTY-SIXTH ANNUAL REPORT  
OF THE  
HOSPITALS DIVISION  
DEPARTMENT OF HEALTH  
UPON THE  
ONTARIO HOSPITALS FOR THE  
MENTALLY ILL, MENTALLY DEFECTIVE,  
EPILEPTIC AND HABITUATE PATIENTS  
OF THE  
PROVINCE OF ONTARIO  
FOR THE YEAR ENDING MARCH 31, 1943

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

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Printer to the King's Most Excellent Majesty

1944



TO THE HONOURABLE ALBERT MATTHEWS, LL.D.,  
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

I herewith beg to present for your consideration the Seventy-sixth Annual Report of the Hospitals Division, Department of Health, upon the Ontario Hospitals for the Mentally Ill, Mentally Defective, Epileptic and Habituate Patients of the Province of Ontario for the year ending March 31, 1943.

Respectfully submitted,  
R. P. VIVIAN, M.D.,  
*Minister*



THE HONOURABLE R. P. VIVIAN, M.D.,  
Minister, Department of Health,  
Parliament Buildings,  
Toronto, Ontario.

DEAR SIR:—

I have the honour of submitting for your approval the Seventy-sixth Annual Report of the Hospitals Division, Department of Health, covering the Ontario Hospitals for the Mentally Ill, Mentally Defective, Epileptic and Habituate Patients, for the year ending March 31, 1943.

Difficulty has been experienced, generally and naturally, with regard to the maintenance of staff, particularly since so many of the permanent members are serving with His Majesty's Armed Forces. Thus the number of physicians has fallen to 51 in 1943 from 65 in 1942 and 72 in 1941. Similarly graduate nurses fell in 1943 to 522 from 706 in 1941, and nurses-in-training to 253 from 334 in 1941. The shortage of nurses has been avoided to some extent by the return of married women to work and also met by the employment of nurse attendants. In spite of the foregoing difficulties, treatment has necessarily been maintained for a steadily increasing number of patients.

The number of patients has risen slightly, as has been the tendency for many years, and stands at 3.91 per 1,000 of the whole population of Ontario. This tendency may be due partly to social conditions, particularly urbanization, but is undoubtedly due in considerable part to the rising average age of the population. Health measures, together with the declining birth rate, have increased the proportion of old people in the population of the Province, and the occurrence of mental disorder is greater among the old than among the young. Thus among people 25 to 35 years of age, 3.62 per 1,000 are patients, but among people of 55 to 65 years the rate is 7.41 per 1,000.

In 1943, 2,259 new patients were admitted but, on the other hand, 1,865 were discharged. These discharges amounted to 63.3 per cent of the admissions and 10.5 per cent of all patients in the hospitals.

Respectfully submitted,

B. T. MCGHIE, M.D.,  
*Deputy Minister*



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# REPORTS OF THE SUPERINTENDENTS

## ONTARIO HOSPITAL, BROCKVILLE

DR. C. S. TENNANT, Superintendent

### Care and Treatment of Patients

Our statistical report for the fiscal year just ended records a further increase in the number of patients in residence in this hospital. Another year under war conditions has increased the difficulties under which the medical staff are working. Excluding the Director of the Mental Health Clinic, who does not share the work in the Hospital, the medical staff has been reduced from six to four, and it is expected by the end of April still another member of the medical staff will have joined the Canadian Forces.

So far no serious difficulty has been experienced in finding graduate nurses to fill vacancies on our nursing staff, but the number of candidates applying for admission to our Nurses' Training School has been reduced to the lowest in many years, and the total number of nurses and nurses-in-training is considerably lower than is considered sufficient.

An eight-hour day has been instituted for all members of staff.

We are continuing to treat selected cases with metrazol, and others are on occasion transferred to the Ontario Hospital at New Toronto, there to receive insulin shock treatment. In spite of the difficulties under which we are working, increased efforts are put forth in the fields of occupational and recreational therapy.

There would seem to be little doubt in the minds of members of the medical staff that in the past year or more we have been admitting a far greater number of patients whose mental condition would seem likely to respond to treatment, and results have proved our first impressions to be correct. This difference in the type of mental patient being admitted is not accounted for entirely by the large number of senile patients arriving.

### Staff, Administration and Buildings

The changes in nursing and attendant staffs have been quite numerous, but amongst the nurses engaged to fill vacancies have been a number of married graduates from our own training school, who are returning to help during the present emergency.

Dr. Florence Nichols was transferred on August 1, 1942, to the staff of the Ontario Hospital, Toronto. Dr. R. M. Billings, Director of our Mental Health Clinic, was granted leave of absence on July 3, 1942, to take a commission in the R.C.A.M.C. He was succeeded on November 27, 1942, by Dr. Margaret G. Rendall, who had previously been on the staff of this Hospital. Dr. Mary McLeay resigned on October 21, 1942, to accept a commission in the R.C.A.M.C. Miss Margaret LeBas, M.A., Psychologist with our Mental Health Clinic, resigned on July 25, 1942, to accept a commission in the C.W.A.C. as Psychologist, and Miss Patricia Parisien, Social Worker with the Mental Health Clinic, was granted leave of absence on September 26, 1942, to accept a commission in the R.C.A.M.C.

Mr. Harold J. Rothwell, our storekeeper, who had been a member of the staff since January, 1925, shortly after he had made application for his superannuation on account of ill health, died on June 9, 1942, and he was succeeded a short time later by Mr. Bryce O. Bullis, formerly stores assistant.

With the exception of the erection by our own staff of a new repair shop and tractor garage at the Hospital farm, there has been no new construction. However, extensive repairs to roofs were carried out and general maintenance has received the usual careful attention. This in spite of the fact that we have for practically all of the year been without the services of a sheet-metal worker.

This report would not be complete without recording the difficulties under which the staff and patients carried on for nearly three days in the Christmas season, following the most severe ice storm that this district has suffered in at least forty years. The weather moderated on the night of Tuesday, December 29, and on Wednesday morning it was raining. By noon the temperature was lower and rain freezing on the trees was causing branches to break off. By 2.30 p.m. the electric power was cut off, and the current was not turned on again until Friday evening, shortly after 5 p.m. In the meantime, throughout the hospital we were depending upon kerosene lanterns and candles for illumination. In the power house, patients operated by hand the chain grates throughout the period. The pasteurizing plant, of course, could not operate, so it was necessary to pasteurize more than a half-ton of milk each day in the kitchen. It was a great relief to everyone when the current was turned on again. We will be reminded for many years of this storm, because of the very widespread and serious damage to trees on the hospital grounds.

## ONTARIO HOSPITAL, COBOURG

DR. G. C. KIDD, Superintendent

### Care and Treatment of Patients

During the year 68 patients were admitted; 12 were transferred from other Ontario Hospitals; 152 were placed on probation—of these 65 were returned, 10 died and 47 were discharged; 25 were placed in Lorimer Lodge and Oxley House—and of these none was returned; 21 eloped during the year, and 8 were returned to the Hospital.

Religious services were conducted by the Protestant and Roman Catholic clergy of Cobourg every Sunday during the year. Some members of the clergy conducted service at the Hospital during the week, and a number of our girls attended service in the Cobourg churches.

We had our own moving pictures during the winter months. During the balance of the year tickets were purchased for the picture show in the town, and about 25 of our girls were sent there every Saturday afternoon as a privilege. Many of the girls, whose behaviour warranted it and who had pin money, were also allowed to attend the Saturday movie.

The Cobourg Kiltie Band gave a concert in the auditorium in November. The St. Andrew's Church, Cobourg Branch, Canadian Girls-in-Training and the members of the Catholic Youth Organization gave very enjoyable concerts in our auditorium. The R.C.A.M.C. Band from Camp Borden came to the Hospital on a Saturday afternoon and played several selections. A Hallowe'en party for our patients was held in the auditorium.

### Staff, Administration and Buildings

Miss Edna Covert, nurse, left our service to enter the R.C.A.M.C., and Miss Ivy Fletcher, of our domestic staff, joined the Wrens.

During the year the work in the engineer's department was strictly maintenance. Beside the general repairs in the carpenter's department, the old fence at the south side and east side of the Superintendent's residence was torn down, and a new fence erected on the east side.

## ONTARIO HOSPITAL, FORT WILLIAM

DR. J. N. SENN, Superintendent

### Care and Treatment of Patients

We have endeavoured to care for all our patients on probation and to visit them regularly, although this is frequently difficult in view of the irregular habits of many of the single men in the district. We have also carried out investigations and reports for several of the eastern hospitals who have had patients on probation here. Consultation work in connection with problems presenting themselves to the practitioners is developing satisfactorily, and we feel in this way many unnecessary admissions are overcome and the patients adjusted without benefit of hospitalization. This has taken in, as well as the patients who would necessarily be admitted here, female patients who would have to be admitted to eastern hospitals.

The work in hospital has been aggravated by the fact that we are admitting a very high percentage of elderly, infirm patients, requiring a large amount of additional bed nursing. Younger, more active patients are not being admitted in such large numbers, we believe on account of the economic conditions; and practically all that are being admitted are of foreign birth and with symptoms of rather long duration.

Unfortunately, owing to curtailment of professional staff, we have found it necessary to temporarily discontinue insulin and metrazol clinics. Patients requiring this treatment, in addition to those requiring special heat therapy, are being transferred to eastern hospitals.

### Staff, Administration and Buildings

The staff generally has functioned quite satisfactorily, in spite of the fact that replacements have been difficult to obtain and many of our new members are past the age for best results or are in the category of medically unfit. The eight-hour day has been introduced throughout the Hospital, and at present is progressing satisfactorily.

During this year more extensive repairs and painting were carried out on the water tower of the Hospital. These were badly needed, both from the standpoint of appearance and deficiency.

Minor repairs have been carried out about the institution as required. We have had during the year considerable difficulty with our water system, the unduly severe winter breaking the line in several places. In addition, the supply of water has very frequently been inadequate for hospital and laundry requirements.

Our farm here is largely operating as a meat production unit. Our total supply of all meats are produced here, and in addition eggs sufficient for our needs are produced. All of the coarser vegetables have been grown, and all the summer green vegetables provided that we could use. In addition, during the fall months we fattened and shipped a carload of beef to eastern hospitals and a second carload of mixed meat.

In common with all institutions, we have developed a rather high state of overcrowding, particularly in infirm sections. We have had to ask assistance in the matter of transfers to eastern hospitals, and we need not say that we appreciate very much the manner in which such transfers have been arranged.

## ONTARIO HOSPITAL, HAMILTON

DR. J. S. STEWART, Superintendent

### Care and Treatment of Patients

There have been no major changes in the care and treatment of patients. The greatest problem, as in the past, is overcrowding. The population has increased from 1,618 to 1,666. The demand for the admission of seniles and adult defectives continues to be unabated.

### Staff, Administration and Buildings

Dr. Sager, who joined the staff in February, 1942, left in June, 1942, for the Neurological Institute, Montreal, and the medical staff has since then consisted of five, including the Superintendent. All members of the staff have been most loyal in endeavouring to maintain former standards of treatment, and I am very grateful to them.

The continued shortage of nursing staff remains serious. On March 15 the attendant staff was placed on an eight-hour basis, despite the shortage, and the nursing staff followed suit shortly after the expiration of the fiscal year. As a result of this change the Selective Service Board has been slightly more generous in referring physicians to the attendant staff. Special instruction has been given to new attendants and nurses.

In August of 1942 the Hickory Farm barn and contents, with the exception of livestock, was destroyed by fire of unknown origin. The foundation of the original barn on the Home Farm has been roofed over and converted into a satisfactory cow stable and the herd moved to the Home Farm, where facilities for milking are in every way better.

In conclusion, I would like to express my appreciation to the staff in general for their loyalty; and I should like to express to you, sir, my appreciation of your usual interest and helpfulness during the past year.

## ONTARIO HOSPITAL, KINGSTON

DR. C. M. CRAWFORD, Superintendent

### Care and Treatment of Patients

The number of admissions, including transfers from other hospitals, during the fiscal year was less by nine than the number in the preceding year. Discharges, including transfers to other hospitals, were 40 less than last year. It was noted in our preceding year's report that 25 per cent of our admissions during the year were patients 60 years of age and over. The percentage of this type of admission has increased very much during the current year, being 36.8 per cent of the first and second admissions. The deaths this year were 17 less than in the preceding year. The number of discharges this year is largely accounted for by the increase in the number of admissions of senile cases.

We have continued to use metrazol treatment in carefully selected cases during the present year. Taken as a whole, our results were favourable.

The Occupational Therapy Department has been carried on quite actively during the year, with four workers employed. It is the feeling of the medical staff that this type of therapy is especially beneficial to the female patients, particularly to those mildly depressed and also to schizoid types.

### Staff, Administration and Buildings

On June 8, 1942, Miss Marion S. Crawford, Superintendent of Nurses, joined the nursing services of the R.C.A.M.C., and shortly afterwards Miss

Pearl Gavan was appointed by the Department to take her place. About the middle of September, Alexander MacMillan, a former attendant at this Hospital who had enlisted in the Navy, was reported lost in the sinking of H.M.C.S. "Ottawa." On November 30, Mr. George Cowan, Chief Chef of the Hospital, died very suddenly while on a visit to his home in Toronto. This vacancy was later filled by the appointment of Mr. Reginald Wallace, who had been first assistant to Mr. Cowan for some years. Four male nurses graduated during the year, three of whom enlisted in the Navy. Mr. F. Russell Ohlke, Clerk Gr. 1, resigned on November 30, to assume another position in the Department of Munitions with the Dominion Government. This vacancy was filled by the appointment of Mr. Ernest A. Bartels. On November 30, Miss Mary H. Davidson, Psychologist of the Mental Health Clinic, resigned to take up personnel duties with the Aluminum Company of Canada. On December 8, Mrs. Muriel D. Carman, house mother, resigned from the staff. There have been no superannuations during the year.

## ONTARIO HOSPITAL, LANGSTAFF

DR. W. A. REDDICK, Superintendent

### Care and Treatment of Patients

During this last year 80 patients, which is our total population in our Concord Unit, were transferred to us by the Ontario Hospital, New Toronto; 24 other patients were transferred to us, mostly from the Ontario Hospital, Toronto, and the Ontario Hospital, New Toronto. Our daily average population was 430 patients.

As the most of our patients are workers and are in the younger age group we are able to use most of them on our farms in work parties.

Recreation for our patients, both at Langstaff and Concord, consists of weekly church services, picture shows in the winter months, ward games, radio programs, etc.

### Staff, Administration and Buildings

On April 1 of this fiscal year, Concord Unit was transferred to the Ontario Hospital, Langstaff.

During the last year we have had quite a number of changes in our attendant and farm staffs—a few have enlisted, a few were transferred; and we have had no difficulty in obtaining replacements, considering the fact that we are in the country where local men have filled in and done good work.

Langstaff Farm consists of 800 acres, Concord Farm of 200 acres and Brampton Farm of 175 acres. I might say that weather conditions were ideal, or nearly so, throughout the year, giving us a very heavy hay cut with heavy second cutting, grain extra good with heavy straw, early potatoes; but late potatoes rather poor. During the fiscal year we built the following new buildings: two colony houses, garage, vegetable root house and incinerator, as well as a new bull pen. The cement block piggery was repaired and greatly improved. The nurses' old residence at Concord was converted into a dwelling place with apartments on the second floor, and an implement shed and garage were rebuilt there.

In conclusion, this report is not complete without mentioning the loyalty, support and co-operation which has been forthcoming from all members of our staff. I must add that the Department of Health officials have given us every consideration and assistance, and I wish to extend to them the thanks and appreciation of our whole staff.

## ONTARIO HOSPITAL, LONDON

DR. G. H. STEVENSON, Superintendent

### Care and Treatment of Patients

In spite of difficulties created by the war, we have endeavoured to see that every patient under our care has received every diagnostic and treatment aid which might help in his restoration to health. Total admissions to this Hospital during the year were 398, discharges being 256. The discharge rate this year based on admissions is 64 per cent, as compared with 66 per cent the year previous.

It is interesting to note that for the past three or four years the admissions have been in the neighbourhood of 400 each year, as compared with more than 500 for several consecutive years not many years ago. It is difficult to analyze the reasons for this decrease in admission to this Hospital and to all the Ontario Hospitals. One would like to think that the present remarkable decline in admissions is due to the better mental health of the people generally, and that the educational work conducted by the Department of Health, through individuals and the mental health clinics, and perhaps also by the schools, is beginning to bear fruit. The proportion of elderly people in this Hospital adds considerably to our overcrowding and calls for a high proportion of the time of our medical and nursing staff.

In spite of war difficulties and staff limitations, we have endeavoured to see that every patient receives adequate treatment. The only new treatment facility added during the year is that of electroshock, which will now largely replace metrazol, which has given such splendid results in many selected cases.

### Staff, Administration and Buildings

In the last month of the fiscal year we were authorized to reduce the hours of duty for all ward staff to 48 per week, and this change became effective on March 22, 1943.

At the end of the fiscal year 84 names appear on our Honour Roll as having entered war service. We are very proud to have such a fine response from the staff of this Hospital, which in war and in peace serves the nation with loyalty and efficiency. We regret to record the fact that Mr. George Hiley was taken prisoner at Dieppe, but letters received from him indicate that he is in good health. It is with additional pride also that we record the fact that one of our staff members has been decorated for valour. Mr. Norman Leekie, one of our Supervisors, was Sick Bay Attendant on the Destroyer H.M.C.S. "Assiniboine," which rammed and sank a German submarine. Mr. Leekie was officially mentioned in dispatches for his splendid and courageous work on this occasion.

In the early part of this fiscal year it became apparent that we would not be able to fill our nursing staff vacancies with graduate, registered nurses; and with the Department's approval we engaged 15 women, most of whom had had some nursing experience, and whom we have designated as nurse attendants. This group has worked out admirably and has been increased in numbers in order to keep the total number of our nursing staff as near as possible to our former number.

The Graduating Exercises of the School of Nursing were held on the evening of May 29, and we were very fortunate to have as our guest speaker Miss May Kennedy, Associate Director of the School of Nursing of the New York Hospital, and Chairman of the National League of Nursing Educations' Committee on Mental Hygiene and Psychiatric Nursing.

Dr. J. R. McGeoch, Senior Assistant Physician, was transferred to the Superintendency of the Ontario Hospital, Toronto, on December 1, 1942.

Dr. G. E. Hobbs, Director of our Mental Health Clinic, entered the Army on June 22, 1942. He was replaced by Dr. J. D. Grieve, who also entered the Army, on November 4. This reduction in our medical staff necessitated curtailment of the Mental Health Clinic activities to some extent. Dr. Earle is giving part time to the work of the Clinic, keeping the appointments in Windsor, Chatham and London, and seeing other patients by special request. Miss Sparling, our Psychologist, continues to keep all the Clinic appointments as formerly.

The teaching activities of the Hospital are practically identical with those reported last year. The acceleration of the medical curriculum, however, has involved more time and difficulty for the instructors on our staff. We also felt obliged to withdraw the affiliate course for one period during the year commencing July 1, and it is planned to do the same again this year. The affiliate course, therefore, operates for three periods in the year instead of four as formerly.

## ONTARIO HOSPITAL, NEW TORONTO

DR. T. D. CUMBERLAND, Superintendent

### Care and Treatment of Patients

We have been severely handicapped during the past year on both the male and female wards because of the shortage of staff. It has been necessary to curtail a lot of the amusements for the patients and also outdoors sports and exercise. The health of the patients, however, has been remarkably good. We have been admitting a much larger number of older patients and defectives. There has been a decrease in the number of patients who, while in hospital, assist with the work at the hospital. This has added to the burden of the depleted staff. The electric shock treatment has proven very beneficial during the past year. Unfortunately we have been unable to operate the continuous baths because of the shortage of staff, and for the same reason it has been necessary to increase the amount of sedatives given to patients, especially at night.

### Staff, Administration and Buildings

There have been a large number of changes in the staff during the past year—a number have enlisted in His Majesty's Forces and others have gone into factory work. A large number have come for a short time and found the work unsatisfactory, or were found unsatisfactory and their services were discontinued. The remnants of the permanent staff, that have remained since the outbreak of the war, have been faithful in the performance of their duties. There were no extensive alterations to buildings during the past year. Only the necessary repairs were done.

## ONTARIO HOSPITAL, ORILLIA

DR. S. J. W. HORNE, Superintendent

### Care and Treatment of Patients

There was an ever increasing demand for admission, particularly for children of the younger age groups, and, in fact, extending to infants.

Owing to the change in the classification of patients admitted, it was necessary to rearrange our school program to suit the needs of the patients

by instituting more elementary and manual training programs and lessening the academic.

Approved homes were procured as in the former year, with the number of patients increased to 122.

### **Staff, Administration and Buildings**

There were still further enlistments from the staff personnel to the Armed Forces. Dr. E. V. Metcalfe and Dr. R. Bradley were granted leave of absence to join the R.C.A.M.C. Miss A. Shier resigned to join the C.W.A.C., and Mr. Bolyea joined the R.C.A.S.C.

Structural changes, such as the installation of an elevator in the main corridor and the building of the boys' new dormitory, provided for additional accommodation. The elevator enables us to operate the basement dining room in Cottage K, thus providing the room which was formerly used as dining room for patient accommodation.

A new one-storey building of frame construction was built on the north side of the highway directly opposite the nurses' residence. This building accommodates 40 patients and is satisfactory in every sense. It cares for the type of boy who is suitable for farm work. This building was built entirely by our own maintenance staff under very trying conditions; and the major portion was built during the winter, which was unusually severe. These operations enabled us to relieve some of the overcrowding; but some definite policy will have to be adopted to provide further accommodation, as the average daily population was 2,088, as compared with 2,028 for the fiscal year ending March, 1942.

To those who have accepted their increased duties by working short staffed, I wish to extend my thanks and appreciation; also to those in the Department of Health for their assistance during the past year.

## **ONTARIO HOSPITAL, PENETANGUISHENE**

DR. C. A. McCLENAHAN, Superintendent

### **Care and Treatment of Patients**

During the fiscal year ending March 31, 1943, there has been an increase in hospital population (22) due to transfers from other hospitals—28 admissions. Deaths and discharges (27) are very similar to previous year.

The health of the patients has remained good. Tuberculosis is almost entirely eliminated.

During the summer some bad tests of water necessitated a few treatments with chlorine, and there has been no further disease.

The Dental Clinic has operated satisfactorily, but there are practically no cases for treatment in clinic for venereal disease.

### **Staff, Administration and Buildings**

Dr. Barrie was transferred to the Toronto Psychiatric Hospital in May for post-graduate work.

During the absence of Dr. Smart for a few months on military duty, Dr. Attridge of Midland conducted the Dental Clinic.

Hugh Baker, Steward, enlisted, and his duties have been taken over by Percy J. Shackleton, April 1.



Additional staff was taken on to commence an eight-hour day for all employees.

The medical staff has been short, so that only routine medical work was carried on.

A course of lectures in mental disease was given to nurses at St. Andrew's Hospital, Midland, and attended by our own nursing staff.

There was nothing unusual in occupational therapy and amusement department.

Farm and garden crops were excellent. Fire practices were held monthly. The mason, under supervision of Public Works Department, rebuilt a large part of fire wall parapet at the new building. The new poultry building has proved quite satisfactory, but required some extra ventilation.

## ONTARIO HOSPITAL, TORONTO

DR. J. R. McGEOCH, Superintendent

### Care and Treatment of Patients

The total number of patients admitted increased by 83, and the number of patients in residence at the end of the year increased by 41. A large part of the increase in admissions was made up of patients over 65, in which group there was an increase of 49, or 70 per cent.

The number of cases of neurosyphilis in 1942 was 58, as compared to 44 in the year ending March 31, 1943 (a reduction of 24 per cent).

The artificial fever therapy unit provides intensive fever and chemotherapy, and continuous follow-up treatment after patients leave hospital. Metrazol is still being used with good results in selected depressed cases.

### Staff, Administration and Buildings

A new electrically operated, automatic elevator for the male wards has been in operation since January, 1943. It is sufficiently large to accommodate food trucks or a bed, and replaces the old hydraulic food elevator which was condemned.

Dr. E. C. McArthur was appointed to the staff on July 20, 1942. Dr. K. J. Walters was transferred to the Hospitals Division in October, 1942. Dr. M. G. Rendall was transferred to Brockville, November 1. Dr. Ida Brill McDonald returned to this Hospital on November 9. Dr. S. R. Montgomery left for service in the R.C.A.M.C., and Dr. J. R. McGeoch was transferred from London as Acting Superintendent on November 15. Dr. G. E. Wilson joined the R.C.A.M.C. in January, 1943, and Dr. W. Chapman Brown was appointed as part-time physician in February.

Without social service staff, probation cases can only be followed by letters, phone calls or return visits to the Hospital. The Clinical Clerk visits a few problem cases, along with her weekly visits to the boarding homes, which are now restricted to two private homes and two rest homes, with a total of 26 patients.

## ONTARIO HOSPITAL, WHITBY

DR. D. R. FLETCHER, Superintendent

### Care and Treatment of Patients

This year has been a somewhat difficult one from a point of view of obtaining a sufficient quantity of staff to look after our patients adequately.

Many of our brightest and best have joined the Armed Forces; some have succumbed to the lure of new fields of endeavour which offer more remuneration and, in some cases also, great opportunities for service.

On account of enlistments from the medical staff, the Mental Health Clinic has had to be closed down, but we have been able to see a great many cases in the Hospital, as the old prejudice against coming to the Hospital for examination seems to have largely passed away. In addition, we have seen cases outside, as time would permit. We have maintained our boarding-out group at an average of about one hundred. We have kept this group active, using it largely as a stepping stone for rehabilitation, and we have been able to place a large number of our patients in remunerative employment.

Owing to the great shortage of medical and nursing staff, individual psychotherapy has had to be curtailed, and we have had to put more and more reliance on group therapy. I am inclined to believe that our results show that this has not been altogether a disaster. While it is true that group therapy has its limitations, on the other hand it fills a place that cannot be entirely taken by individual therapeutic effort.

We have made extensive use of metrazol therapy under Dr. Cardwell and Dr. Gauld. The latter was getting some very encouraging results with a paranoid group treated, as might be expected, over long periods and with special psychotherapeutic approach. Occupational and vocational therapy has been at a serious disadvantage on account of the shortage of staff, but this condition is gradually becoming remedied.

In common with other hospitals we have instituted the eight-hour day, which has occasioned some present difficulty, but may well prove a boon in the end, not only to staff, but to patients.

We regret that we have been unable to maintain our training school at its usual numbers, and in this, I presume, likewise we are sharing a world-wide situation. We have, however, been able to maintain the teaching services at their usual level and indeed have improved them somewhat.

The canteen has operated efficiently during the year. We were able to get books for the library, games, etc., for the patients, and to return some of the profits in a treat for all the patients, as well as to send cigarettes to the members of the staff overseas at Christmastime.

### **Staff, Administration and Buildings**

We are proud of our group in the Armed Forces. A great many of them have been promoted. Some of our attendants are warrant officers; some of them have taken officers' training course and are gaining well-deserved promotions.

On the medical staff, Dr. Bright was transferred to the Psychiatric Hospital, and Dr. Eva Friede and Dr. Hans Friede were added to our staff. Miss Ruth Cormack went to take the course in teaching and administration at the University of Toronto. Dr. Miller went to Westminster Hospital. Our Dentist, Dr. McMillan, went to Brockville, and Dr. Squires was appointed to take his place.

In connection with the staff, those members of the permanent staff who have not been eligible for the Armed Services have done their utmost to make up in efficiency what they lacked in numbers and have set an example which should not be forgotten by the Hospital or the Department which they serve. I wish it were possible to name each, but I know space forbids.

This year, owing to our inability to get nurses or nurses-in-training, we have commenced to take on nurse attendants. We are giving them the usual

attendants' training course, which will qualify them for practical nursing anywhere. While we commenced this policy with regret, it is working out extremely well.

Our herd has been built up until it is able to supply plenty of milk of a first-class quality to the hospital.

We have changed two obsolete buildings on the grounds into four apartments for members of the staff who were unable to get accommodation elsewhere. We have plans and have commenced work on doubling our accommodation for fowls, and for a new comfort station and office building for the farm.

The canning operations were curtailed in accordance with the Government regulations, but we were still able to put up a quantity of food products which have helped us out materially during the season.

## ONTARIO HOSPITAL, WOODSTOCK

DR. D. O. LYNCH, Superintendent

### Care and Treatment of Patients

Regarding the care and treatment of patients in the epilepsy division, experimental work has been continued under the direction of Dr. C. H. Pratt. Continued favourable results have been obtained in the treatment of the epileptic patients by our methods of using phenobarbital, dilantin sodium and a combination of these anti-convulsants.

In experimental therapy, the work under way at last year-end with adrenal cortex extract and potassium gluconate was completed. In some instances the seizure activity, as shown in the E.E.G., was decreased, but in most cases it was increased. Clinically, there was no marked change in the frequency of the seizures. Having noted that convulsions induced by a noise stimulus were prevented in rats by giving substantial doses of vitamin B complex, a number of epileptic children were placed on moderate up to high doses of this substance. The work was not completed at the end of the year, but so far there was no E.E.G. or clinical evidence that B complex has any definite value in the treatment of epilepsy in childhood.

In addition to the work mentioned above, our electro-encephalography laboratory gave useful service in the diagnosis of many cases of questionable epilepsy in new admissions and those referred to us for this examination. Evidence of cerebral lesion was indicated in a number of previously unsuspected cases. Those showing localization features were referred to the neurosurgeon.

In the T.B. division the work has been conducted on much the same scale as during the previous year, under the direction of Dr. O. V. Dent; this in spite of the difficulties encountered by change of staff caused by the war situation.

Specific treatment on a number of leucic patients has been conducted during the year.

Regarding the Hospital, our population shows a slight reduction in patients at the close of the year, there being 608 epileptic and 587 tuberculous mentally ill in residence. Admissions totalled 104, of whom 87.5 per cent were in the epilepsy division. Discharges accounted for 94; and, of these, 77 were from the epilepsy division. Our seizure-controlled group represented 34.8 per cent.

### Staff, Administration and Buildings

In the building program, our carpentry staff completed a new root cellar, twice the capacity of the original one. A new fire hall was also built, and

many essential repairs carried out. Major engineering items included installing new steam press in the laundry, circulating pump and motor in Cottage I, new coil in the greenhouse converter, new steam kettle in the central kitchen, as well as many minor repairs included under general maintenance. Plastering, painting and minor alterations in lighting were completed in the basement rooms at the west end of the reception building of the T.B. Unit. These alterations were made for the purpose of accommodating all chest X-ray films and chest report files for all Ontario Hospitals, following a rearrangement of the method of surveys. The occupational therapy department have since occupied the smaller room previously used for the files and part of the chest films.

Dr. Francis Fralick, Travelling Chest Clinician, enlisted in the R.C.A.M.C. He was replaced by Dr. Lois Kent, who joined the Service in July, 1942. Miss Irene Hanton, Reg.N., was appointed X-ray Technician on November 1, 1942. Miss Gertrude Currie, Reg.N., of the nursing staff of the T.B. Unit, has been trained in X-ray technique and is working in the X-ray department at present. Miss Hanton and Miss Currie have replaced Messrs. James Stevely and Raymond Baker, both of whom have enlisted. Miss Anna Brethen, Occupational Therapist, resigned after thirteen years' service; Miss Eileen Rider, Registered Occupational Therapist, succeeding her. Mrs. Jean Sanders, Reg.N., was appointed Clinical Clerk and is rendering valuable assistance in the history writing of newly admitted epileptic patients.

Sixty-three enlisted since the outbreak of war, twenty-three of whom are in England and five in South Africa. Private Thomas Bibby of our attendant staff was awarded the Military Medal for gallantry and devotion to duty while at Dieppe. Private Bibby has since returned to Canada and was royally welcomed by his many friends and associates.

# ANNUAL REPORT OF ONTARIO HOSPITALS' CHEST CLINIC

For the Fiscal Year Ending March 31, 1943

O. V. DENT, M.D., Clinician

The work of this Clinic in the control of tuberculosis among the patients and staff of the Ontario Hospitals, by means of chest X-rays and tuberculin tests, has continued during the past fiscal year according to the plan described in the report of the fiscal year ending March 31, 1938.

The large table accompanying this report indicates the volume of work carried out by this Clinic during the fiscal year ending March 31, 1943. The grand totals show, in spite of the difficulties encountered by changes in staff caused by the war situation, that the volume of work has remained much the same as in the previous fiscal years. During the past fiscal year we have been able to remove all patients with active tuberculosis from the Ontario Hospitals as soon as they have been discovered; and in addition to this there has been no delay in admitting tuberculous patients from sources other than Ontario Hospitals, mainly from sanatoria. It is noted that during the past fiscal year 79 patients in Ontario Hospitals were discovered to have active tuberculosis and were recommended for transfer to the T.B. Unit. It is encouraging to note (in reviewing previous tables) the steady decrease in the numbers with active disease for the fiscal years from March 31, 1940, to the present year respectively: 137, 99, 90 and 79. This decline in the number of active cases can possibly be accounted for, at least in part, by the fact that admissions to the T.B. Unit are not delayed since the Unit was established at Woodstock, in October, 1939, with increased bed capacity as compared to previous accommodation.

It may be in order to mention that during the past fiscal year 1,032 staff applicants were examined radiologically; and of these 16, or 1.6 per cent, were considered unsuitable for employment because of pulmonary tuberculosis either active or questionably active, and 210, or 20.3 per cent, were accepted with reservations because of abnormal chest X-ray markings, possibly but not necessarily tuberculous in nature. These were accepted for temporary staff employment only, and were to have some further investigation within six months of commencing employment. (In the previous fiscal year the group corresponding to this year's 20.3 per cent constituted only 7.2 per cent, and this higher percentage more recently is possibly accounted for by the fact that more older persons and those not suitable for the Armed Forces were applying than had applied in previous years.) The remaining 806, or 78.1 per cent, were considered suitable for employment, without reservations as far as chest X-ray was concerned.

Two thousand, nine hundred and thirty-nine (2,939) patient admissions to Ontario Hospitals were examined radiologically; and of this number 15, or 0.5 per cent were recommended for transfer to the T.B. Unit because of active pulmonary tuberculosis, and 71, or 2.4 per cent, were recommended for isolation and further investigation in their respective hospitals because of questionably active disease. In addition, 467, or 15.9 per cent, were placed on casual observation because of abnormal chest X-ray markings, possibly but not necessarily tuberculous in nature. The remaining 2,386, or 81.2 per cent, had normal films.

The following table indicates the status of tuberculous patients in all Ontario Hospitals as it existed near the termination of the fiscal year ending March 31, 1943:

	MALE	FEMALE	TOTAL
Number Under Treatment in T.B. Unit—Woodstock.....	323	264	587
Number Under Isolation at the Various Ontario Hospitals Awaiting Transfer to the T.B. Unit.....	.....	.....	.....
Number Under Segregation for Further Investigation at the Various Ontario Hospitals (Tuberculosis of Ques- tionable Activity or Suspect Tuberculosis) .....	126	98	224

In the cases of those Ontario Hospital employees who develop tuberculosis, this Clinic performs or arranges for re-examinations during their convalescence following their discharge from sanatoria and after their return to duty.

# ONTARIO HOSPITAL POPULATION STATISTICS ANNUAL REVIEW - 1943

L. S. PENROSE, M.D., Acting Medical Statistician

The general trends of the Ontario Hospital population figures can be ascertained by examining Tables I to XI, which summarize the information given in the detailed statistical tables.

The total population on the Hospital books shows a further slight increase in 1943, both absolutely and in relation to the number of persons in the general population. The rate per 100,000 persons has now risen to 417, as shown in Table I.

The number of patients on probation and the number boarded out, given in Table II, show no significant changes as compared with last year; 6.1 per cent of patients on the books were on probation in March, 1943, and 3.6 per cent were living under "family care" in boarding homes.

Analysis of the resident patient population by age and sex, given in Table III, demonstrates, as in previous years, a predominance of male cases in the age groups below 45 years and a predominance of female cases above that age.

The gradually increasing incidence of mental illness with advancing years for both sexes in the general population is shown by the rates per 1,000 both in Tables III and IV. When first admissions are separately considered, as in Table IV, the increasing rate with advancing years is shown to continue throughout the range of ages, and to reach its maximum of 1.53 per 1,000 in the age group 65 years and over.

The number of cases in residence diagnosed dementia praecox, given in Table V, which has been increasing year by year since 1938, shows less change in 1943 than in previous years. In contrast, the number of resident patients diagnosed manic-depressives has fallen almost continuously, and in March, 1943, was 190 less than it was in March, 1938. The decline in numbers of resident manic-depressive patients is emphasized when they are expressed as rates per 100,000 in the general population. Conversely, the rates for resident senile and arteriosclerotic cases confirm the increase in their numbers during the last three years.

The numbers and rates of first admissions, classified according to diagnosis in Table VI, indicate both an absolute and a relative diminution in most of the diagnosis groups since 1942. There has, however, been a marked increase in the number of cases diagnosed senile psychosis: 260 in 1943, as compared with 217 in 1942.

Table VII compares admissions, discharges and deaths in the various hospitals. The figures in the fourth column, which are usually termed "discharge rates," vary between 90.4 and 54.1 per cent. The average for all hospitals, 63.3 per cent, is slightly less favourable than last year's average of 65.1 per cent. Death rates, however, have risen sharply since last year; and the number of deaths in 1943 was one-third of the number of admissions (33.9 per cent), as compared with 27.1 per cent in 1942 and 27.3 per cent in 1941.

The recovery rates specified in Table VIII indicate a continuance of the tendency observed last year for an increasing number of patients to be classified as recovered at the time of discharge from hospital. In 1943, 641 patients were discharged as recovered, against 607 in 1942, 461 in 1941, and 536 in 1940.

Table IX shows how discharge rates and death rates are related to one another in the different diagnosis groups. For senile cases the discharge rate is very low, 15.1 per cent, and the death rate very high, 80.0 per cent. In manic-depressive psychosis, the reverse is true; the discharge rate is 78.5 per cent and the death rate 15.1 per cent.

When admissions are classified according to age, as in Table X, the highest discharge rate, 80.2 per cent, and the lowest death rate, 8.0 per cent, are to be found in the age group 15-24 years.

The causes of patients' deaths in hospital are classified in Table XI. Although the general rate from all causes has increased from 46.8 per thousand patients in 1942 to 56.4 in 1943, this excess is almost entirely due to deaths classified under "diseases of the heart," and probably is associated with the increasing numbers of elderly patients admitted. The tuberculosis death rate continues to decline, and in 1943 stood at 2.9 per thousand patients, as compared with 3.1 in 1942 and 8.1 in 1941.

TABLE I  
TRENDS IN PATIENT POPULATION—ONTARIO HOSPITALS  
1929-1943

YEAR	IN RESIDENCE*		ON BOOKS†	
	NUMBER	RATE‡	NUMBER	RATE‡
1929..	9,704	291	10,032	301
1930	10,060	297	10,390	307
1931	10,488	306	10,930	318
1932	11,052	318	11,498	331
1933	11,578	325	12,236	343
1934	12,068	333	12,883	355
1935**	12,314	335	12,879	351
1936	13,142	356	13,868	376
1937	13,487	363	14,288	385
1938	14,056	377	14,736	395
1939	14,217	380	15,196	405
1940	14,314	379	15,283	405
1941	14,486	383	15,490	409
1942	14,728	389	15,712	415
1943	14,826	391	15,811	417

\*Includes patients boarded out from 1934.

†Includes patients in residence and on probation.

‡Per 100,000 population (estimated).

\*\*Five-month period.



**TABLE II**  
**PATIENT POPULATION—ONTARIO HOSPITALS**  
**1934-1943**

YEAR	PATIENTS IN RESIDENCE		PATIENTS ON PROBATION		PATIENTS BOARDED OUT		TOTAL ON BOOKS*
	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT	
1934.....	11,830	91.8	815	6.3	238	1.9	12,883
1935.....	12,042	93.5	565	4.4	272	2.1	12,879
1936.....	12,750	91.9	726	5.2	392	2.8	13,868
1937.....	13,019	91.1	801	5.6	468	3.3	14,288
1938.....	13,574	92.1	680	4.6	482	3.3	14,736
1939.....	13,746	90.5	940	6.2	501	3.3	15,196
1940.....	13,764	90.0	962	6.4	550	3.6	15,283
1941.....	13,981	90.3	986	6.4	505	3.3	15,490
1942.....	14,169	90.2	970	6.2	559	3.6	15,712
1943.....	14,264	90.2	960	6.1	562	3.6	15,811

\*Includes patients on elopement and not discharged.

1934—Year ending October 31.

1935—Five-month period, November 1, 1934, to March 31, 1935.

1936-43—Years ending March 31.

**TABLE III**  
**AGE DISTRIBUTION BY SEX—RESIDENT POPULATION AND**  
**GENERAL POPULATION OF PROVINCE**

AGE	MALES			FEMALES		
	PROVINCE* POPULATION	ONTARIO HOSPITALS	RATE†	PROVINCE* POPULATION	ONTARIO HOSPITALS	RATE†
Under 15.....	477,855	377	0.08	455,439	253	0.56
15-24.....	342,045	859	2.51	327,542	740	2.26
25-34.....	311,275	1,191	3.83	296,830	1,012	3.41
35-44.....	272,434	1,538	5.65	251,424	1,323	5.26
45-54.....	233,775	1,494	6.39	217,362	1,514	6.97
55-64.....	172,473	1,137	6.59	162,153	1,343	8.28
65 and Over.....	147,575	851	5.77	156,554	1,168	7.47
Not Stated.....	.....	11	.....	.....	14	.....
ALL AGES.....	1,957,430	7,458	3.81	1,867,304	7,368	3.95

\*Population estimated 1942.

†Rate per 1,000 population at ages.

**TABLE IV**  
**FIRST ADMISSIONS AND PATIENTS IN RESIDENCE BY AGE**  
**Year Ending March 31, 1943**

AGE	POPULATION*	FIRST ADMISSIONS		PATIENTS IN RESIDENCE†	
		NUMBER	RATE‡	NUMBER	RATE‡
Under 15 .....	933,294	162	0.22	630	0.68
15-24 .....	699,585	375	0.54	1,599	2.29
25-34 .....	608,105	377	0.62	2,203	3.62
35-44 .....	523,858	348	0.66	2,861	5.46
45-54 .....	451,137	290	0.64	3,008	6.67
55-64 .....	334,626	235	0.70	2,480	7.41
65 and Over .....	304,129	464	1.53	2,020	6.64
Not Stated .....		8		25	
<b>ALL AGES</b>	<b>3,824,734</b>	<b>2,259</b>	<b>0.59</b>	<b>14,826</b>	<b>3.88</b>

\*Population estimated 1942. †Includes patients boarded out. ‡Per 1,000 population at ages.

**TABLE V**  
**PATIENTS IN RESIDENCE BY DIAGNOSIS—1938-1943**

DIAGNOSIS	1938	1939	1940	1941	1942	1943
	NUMBER OF PATIENTS					
Dementia Praecox .....	6,229	6,392	6,493	6,645	6,751	6,786
Manic-depressive Psychoses .....	1,282	1,256	1,163	1,170	1,113	1,092
Psychoses with Mental Deficiency .....	638	622	599	587	607	599
Senile Psychoses .....	446	446	364	383	415	428
Epileptic Psychoses .....	448	416	409	406	395	372
Mental Deficiency without Psychosis .....	2,536	2,736	2,884	2,862	2,979	3,040
G.P.I. and Cerebral Syphilis .....	507	512	523	534	551	522
Psychoses with Cerebral Arterioscler .....	337	328	337	369	379	414
Involuntional Psychoses .....	284	248	270	241	265	268
Paranoia and Paranoid Conditions .....	221	230	233	234	235	239
Alcoholic Psychoses .....	87	67	57	51	56	59
Alcoholism without Psychosis .....	23	21	9	11	15	14
Epilepsy without Psychosis .....	504	522	562	562	566	577
All Other .....	514	451	411	431	401	416
<b>TOTALS</b>	<b>14,056</b>	<b>14,241</b>	<b>14,314</b>	<b>14,486</b>	<b>14,728</b>	<b>14,826</b>
DIAGNOSIS	RATES PER 100,000 POPULATION					
Dementia Praecox .....	167.0	170.4	171.9	176.6	178.2	177.4
Manic-depressive Psychoses .....	34.4	33.5	30.8	31.1	29.3	28.6
Psychoses with Mental Deficiency .....	17.1	16.6	15.9	15.6	16.0	15.7
Senile Psychoses .....	12.0	11.9	9.6	10.2	10.9	11.2
Epileptic Psychoses .....	12.0	11.1	10.8	10.8	10.4	9.7
Mental Deficiency without Psychosis .....	68.0	72.9	76.4	76.1	78.6	79.5
G.P.I. and Cerebral Syphilis .....	13.6	13.6	13.8	14.2	14.5	13.6
Psychoses with Cerebral Arterioscler .....	9.0	8.7	8.9	9.8	10.0	10.8
Involuntional Psychoses .....	7.6	6.6	7.1	6.4	6.9	7.0
Paranoia and Paranoid Conditions .....	5.9	6.2	6.2	6.2	6.2	6.2
Alcoholic Psychoses .....	2.3	1.8	1.5	1.4	1.4	1.5
Alcoholism without Psychosis .....	0.6	0.6	0.2	0.3	0.3	0.4
Epilepsy without Psychosis .....	13.5	13.9	14.9	14.9	14.9	15.1
All Other .....	13.8	12.0	10.9	11.5	10.5	10.5
<b>TOTALS</b>	<b>376.7</b>	<b>379.7</b>	<b>379.0</b>	<b>385.0</b>	<b>388.8</b>	<b>387.6</b>

TABLE VI  
FIRST ADMISSIONS BY DIAGNOSIS, 1929-1943\*

DIAGNOSIS	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
	NUMBER OF PATIENTS														
Dementia Praecox.....	491	580	480	495	545	576	232	616	603	594	586	524	504	489	462
Manic-Depressive Psychoses.....	227	185	276	300	363	366	110	394	334	325	316	325	306	274	284
Senile Psychoses.....	214	201	211	163	121	150	58	183	171	194	165	173	200	217	260
Mental Deficiency without Psychoses.....	147	165	159	368	299	309	73	369	375	385	404	332	279	387	331
G.P.I. and Cerebral Syphilis.....	102	115	138	130	142	140	49	145	124	147	128	120	125	102	80
Psychoses with Cerebral Arteriosclerosis.....	106	79	88	131	147	155	56	187	125	165	178	213	189	209	195
Psychoses with Mental Deficiency.....	91	68	70	90	96	67	27	86	54	61	52	50	52	64	42
Epileptic Psychoses.....	58	45	58	41	44	51	15	53	47	51	48	51	45	34	29
Involuntional Psychoses.....	98	86	71	79	52	57	23	73	72	90	95	134	91	98	105
Paranoia and Paranoid Conditions.....	31	33	65	65	53	42	22	52	69	43	51	43	40	31	34
Alcoholic Psychoses.....	25	42	35	25	24	19	9	62	39	36	42	42	32	37	43
Alcoholism without Psychoses.....	13	15	22	21	19	25	16	55	71	72	70	56	21	23	13
Epilepsy without Psychoses.....	60	39	27	54	85	65	29	101	56	76	95	107	88	78	69
All Other.....	190	206	219	288	268	276	118	391	396	397	382	362	332	327	303
TOTALS.....	1,853	1,859	1,922	2,250	2,198	2,241	837	1,767	2,536	2,636	2,642	2,541	2,304	2,370	2,259

DIAGNOSIS	RATE PER 100,000 POPULATION														
	1929-31	1932-34	1935-37	1938-40	1941-43										
Dementia Praecox.....	14.7	17.2	14.0	14.2	15.7	16.2	15.5	17.1	16.3	15.9	15.6	13.9	13.4	12.9	12.1
Manic-Depressive Psychoses.....	6.8	5.5	8.0	8.6	8.6	8.6	7.4	10.9	9.1	8.7	8.4	8.6	8.1	7.2	7.4
Senile Psychoses.....	6.4	5.9	6.2	4.7	3.4	4.2	3.9	5.1	4.6	5.2	4.4	4.6	5.3	5.7	6.8
Mental Deficiency without Psychoses.....	4.1	4.9	4.6	10.6	8.5	8.7	4.9	10.2	10.2	10.2	10.8	8.8	7.4	10.2	8.7
G.P.I. and Cerebral Syphilis.....	3.0	3.4	4.0	3.7	4.0	4.0	3.3	4.0	3.4	3.9	3.4	3.4	3.3	2.7	2.3
Psychoses with Cerebral Arteriosclerosis.....	3.2	2.3	2.6	3.8	4.2	4.4	3.8	5.2	3.4	4.4	4.7	5.6	5.0	5.5	5.1
Psychoses with Mental Deficiency.....	2.7	2.0	2.0	2.6	2.7	1.9	1.8	2.4	1.5	1.4	1.4	1.3	1.4	1.7	1.1
Epileptic Psychoses.....	1.7	1.3	1.7	1.2	1.3	1.5	1.0	1.5	1.3	1.6	1.3	1.4	1.2	0.9	0.6
Involuntional Psychoses.....	2.9	2.5	2.1	2.3	1.5	1.6	1.5	2.0	1.9	2.4	2.5	3.5	2.4	2.6	2.7
Paranoia and Paranoid Conditions.....	0.9	1.0	1.9	1.9	1.5	1.2	0.6	1.4	1.8	1.2	1.4	1.1	1.1	0.8	0.9
Alcoholic Psychoses.....	0.7	1.2	1.0	0.7	0.7	0.5	0.6	1.7	1.1	1.0	1.1	1.1	0.9	0.9	1.1
Alcoholism without Psychoses.....	0.4	0.4	0.6	0.6	0.5	0.7	1.1	1.5	1.9	1.9	1.9	1.5	0.6	0.6	0.3
Epilepsy without Psychoses.....	1.8	1.2	0.8	1.8	2.4	1.8	1.9	2.8	1.5	2.0	2.5	2.8	2.3	2.1	1.8
All Other.....	5.7	6.1	6.4	8.3	7.6	7.7	7.9	10.8	10.7	10.6	10.2	9.0	8.8	8.6	7.9
TOTALS.....	55.5	54.7	56.0	64.8	62.5	63.9	56.1	76.9	68.7	70.7	69.6	67.3	61.2	62.5	58.8

\*1929-31—Year ending October 31. 1935-43—Five months ending March 31. 1936-43—Year ending March 31.

**TABLE VII**  
**DISCHARGE AND DEATH RATES BY HOSPITAL**  
**ONTARIO HOSPITALS—1943**

HOSPITALS	TOTAL ADMIS- SIONS	TOTAL* TREATED	DISCHARGES			DEATHS		
			NUMBER	PER 100 AD- MITTED	PER 1,000 TREATED	NUMBER	PER 100 AD- MITTED	PER 1,000 TREATED
Brockville	211	1,417	130	61.6	91.7	66	31.2	46.6
Cobourg	68	605	47	69.1	77.7	10	14.7	16.5
Fort William	70	148	42	60.0	283.8	12	17.1	81.1
Hamilton	434	2,053	237	54.6	776.0	131	30.2	63.8
Kingston	223	1,429	128	57.4	89.6	90	40.4	63.0
Langstaff		436	3	...	68.8	2	...	45.9
London	398	2,114	256	64.3	121.1	109	27.4	51.6
New Toronto	316	1,866	199	63.0	106.6	113	35.7	60.6
Orillia	191	2,389	115	60.2	48.1	78	40.8	32.6
Penetang	14	652	12	85.7	18.4	13	92.9	19.9
Toronto	375	1,722	203	54.1	117.8	143	38.1	83.0
Whitby	541	2,411	399	73.8	165.5	158	29.2	65.5
Woodstock	104	1,431	94	90.4	65.7	72	69.2	50.3
TOTALS.	2,945	18,673	1,865	63.3	99.9	997	33.9	53.4

\*Patients on the books March 31, 1942, plus discharges and deaths during the year.

TABLE VIII  
DISCHARGE RATES BY CONDITION ON DISCHARGE—Year Ending March 31, 1943

HOSPITAL	TOTAL ADMIS- SIONS	PATIENTS TREATED *	RECOVERED			IMPROVED			UNIMPROVED			WITHOUT MENTAL DISORDER			TOTAL		
			No.	PER 100 ADMIT'D	PER 1,000 TREATED	No.	PER 100 ADMIT'D	PER 1,000 TREATED	No.	PER 100 ADMIT'D	PER 1,000 TREATED	No.	PER 100 ADMIT'D	PER 1,000 TREATED	No.	PER 100 ADMIT'D	PER 1,000 TREATED
Brookville.....	211	1,417	61	28.9	43.0	55	26.1	38.8	5	2.4	3.5	9	4.3	6.6	130	61.6	91.7
Cobourg.....	68	605	.....	.....	.....	1	1.5	1.7	.....	.....	.....	46	67.7	76.0	47	69.1	77.7
Fort William.....	70	148	6	8.6	40.5	33	47.1	223.0	.....	.....	.....	3	4.3	2.0	42	60.0	283.8
Hamilton.....	434	2,053	116	26.7	56.5	95	21.9	46.3	11	2.5	5.4	15	3.5	7.3	237	54.6	115.4
Kingston.....	223	1,429	36	16.1	25.2	65	29.1	45.9	9	4.0	6.3	18	8.1	12.6	128	57.4	89.6
Langstaff.....	.....	436	.....	.....	.....	1	.....	2.3	2	.....	4.6	.....	.....	.....	3	.....	68.8
London.....	398	2,114	90	22.7	42.6	125	31.4	59.1	21	5.3	9.9	20	5.0	9.5	256	64.3	121.1
New Toronto.....	316	1,866	76	24.1	40.7	115	36.4	61.6	5	1.6	2.7	3	1.0	1.6	199	63.0	106.6
Orillia.....	191	2,389	.....	.....	.....	.....	.....	.....	.....	.....	.....	115	6.0	48.1	115	60.2	48.1
Penetang.....	14	652	2	14.3	3.1	4	28.6	61.3	.....	.....	.....	6	42.9	9.2	12	85.7	18.4
Toronto.....	375	1,722	74	19.7	43.0	100	26.7	58.1	10	2.7	5.8	19	5.1	11.0	203	54.1	117.9
Whitby.....	541	2,411	164	30.3	68.0	164	30.3	68.0	21	3.9	8.7	50	9.2	20.7	399	73.8	165.5
Woodstock.....	104	1,431	16	15.4	11.2	15	14.4	10.5	2	1.9	1.4	61	58.7	42.6	94	90.4	65.7
ALL HOSPITALS.....	2,945	18,673	641	21.8	34.3	773	26.2	41.4	86	2.9	4.6	365	12.4	19.5	1,865	63.3	99.9

\*Patients on the books March 31, 1943, plus discharges and deaths during the year.

**TABLE IX**  
**DISCHARGE AND DEATH RATES FOR SELECTED PSYCHOSES**

Year Ending March 31, 1943

PSYCHOSES	TOTAL ADMIS- SIONS	NUMBER TREATED *	DISCHARGES			DEATHS		
			NUMBER	PER 100 AD- MITTED	PER 1,000 TREATED	NUMBER	PER 100 AD- MITTED	PER 1,000 TREATED
Senile†	485	1,303	73	15.1	56.0	388	80.0	297.8
Dementia Praecox	674	7,458	467	69.3	62.6	205	30.4	27.5
Manic Depressive.	535	1,593	420	78.5	263.7	81	15.1	50.8
General Paresis‡	102	644	64	62.7	99.4	58	56.9	90.1
Epileptic	43	427	29	67.4	67.9	26	60.5	60.9
With Mental Deficiency	53	655	42	79.2	64.1	14	26.4	21.4
Other Psychoses	521	1,433	394	75.6	274.9	110	21.1	76.8
Without Psychosis.	532	4,175	376	70.7	90.1	115	21.6	27.5
<b>TOTALS.</b>	<b>2,945</b>	<b>17,688</b>	<b>1,865</b>	<b>63.3</b>	<b>105.4</b>	<b>997</b>	<b>33.9</b>	<b>56.4</b>

\*Patients in residence, March 31, 1943, plus discharges and deaths during the year.

†Including psychoses with cerebral arteriosclerosis.

‡Including psychoses due to cerebral syphilis.

**TABLE X**  
**DISCHARGES AND DEATHS BY AGE**

Year Ending March 31, 1943

AGE GROUPS	FIRST AND READMIS- SIONS	NUMBER TREATED *	DISCHARGES			DEATHS		
			NUMBER	PER 100 AD- MITTED	PER 1,000 TREATED	NUMBER	PER 100 AD- MITTED	PER 1,000 TREATED
Under 15	167	687	25	15.0	36.4	32	19.2	46.6
15-24	439	1,986	352	80.2	177.2	35	8.0	17.6
25-34	529	2,670	419	79.2	156.9	48	9.1	18.0
35-44	495	3,302	367	74.2	111.1	74	15.0	22.4
45-54	423	3,428	323	76.4	94.2	97	22.9	28.3
55-64	346	2,900	226	65.3	77.9	194	56.1	66.9
65 and Over	538	2,683	149	27.7	55.5	514	95.0	191.6
Not Stated	8	32	4	.....	.....	3	.....	.....
<b>ALL AGES.</b>	<b>2,945</b>	<b>17,688</b>	<b>1,865</b>	<b>63.3</b>	<b>105.4</b>	<b>997</b>	<b>33.9</b>	<b>56.4</b>

\*Patients in residence, March 31, 1943, plus discharges and deaths.

**TABLE XI**  
**PRINCIPAL RECORDED CAUSES OF DEATH**  
**ONTARIO HOSPITALS, 1942-43, AND ONTARIO, 1942**

CAUSE OF DEATH	ONTARIO HOSPITALS			PROVINCE		
	NUMBER	RATE*	PERCENT	NUMBER	RATE†	PERCENT
1. Pneumonia and Bronchitis.....	234	13.2	23.5	1,902	0.5	4.9
2. Diseases of the Heart .....	349	19.7	35.0	12,060	3.2	30.9
3. Cerebral Haemorrhage .....	71	4.0	7.1	1,604	0.4	4.1
4. Tuberculosis (All Forms).....	51	2.9	5.1	1,104	0.3	2.8
5. Diseases of the Arteries .....	28	1.6	2.8	986	0.3	2.5
6. Cancer (All Forms) .....	42	2.4	4.2	5,003	1.3	12.8
TOTALS (1-6).....	775	43.8	77.7	22,659	5.9	58.0
All Other Causes .....	222	12.6	22.3	16,402	4.3	42.0
GRAND TOTALS .....	997	56.4	100.0	39,061	10.2	100.0

\*Rate per 1,000 under treatment (17,688).

†Rate per 1,000 population (3,824,734) estimated.





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**DETAILED  
STATISTICAL TABLES**

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TABLE No. 1  
DETAILED MOVEMENT OF PATIENT POPULATION—April 1, 1942, to March 31, 1943

POPULATION	TOTAL		BROCKVILLE		COROUBURG		FORT WILLIAM		HAMILTON		KINGSTON		LANGSTAFF				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
	T.	T.	T.	T.	T.	T.	T.	T.	T.	T.	T.	T.	T.	T.			
1. Patients on Books, April 1, 1942: In Residence In Boarding Homes On Probation On Elopement (Not Discharged)	7,235	6,934	14,169	546	548	1,094	434	434	100	760	711	1,174	581	512	1,093	346	346
TOTAL ON BOOKS	7,842	7,870	15,712	592	613	1,205	534	534	112	818	800	1,618	628	575	1,293	351	351
2. Admitted During Year: Ft. St. Admissions Readmissions Transfers Received	1,111	1,148	2,259	61	93	154	65	65	55	141	173	317	97	71	171		
TOTAL ADMITTED	1,777	1,591	3,368	100	128	228	80	80	74	211	240	451	138	105	243	104	101
3. Total Under Care*	9,619	9,460	19,079	692	741	1,433	614	614	186	1,029	1,040	2,069	766	680	1,446	455	455
4. Discharged During Year: Recovered Improved Unimproved Without Psychosis Died† Transferred	306	335	641	20	41	61	1	1	33	52	61	116	33	13	36		
TOTAL DISCHARGED FROM BOOKS*	1,758	1,531	3,289	89	123	212	66	66	92	195	209	404	140	95	235	21	21
5. Patients on Books, March 31, 1943: In Residence In Boarding Homes On Probation On Elopement (Not Discharged)	7,270	6,994	14,264	572	558	1,130	422	422	90	786	750	1,536	583	536	1,109	425	425
Daily Average Population in Res.	188	374	562	10	22	32	28	28	7	12	19	36	10	10	25	51	51
Daily Average Population on Books	401	559	960	21	38	59	87	87	4	48	82	130	26	21	50	6	6
TOTAL ON BOOKS	7,868	7,943	15,811	603	618	1,221	548	548	94	811	834	1,685	626	585	1,211	131	131
Daily Average Population in Res.	7,239	7,102	14,341	560	563	1,123	431	431	90	781	738	1,519	581	522	1,103	424	424
Daily Average Population on Books	7,865	7,917	15,782	572	587	1,159	541	541	102	832	811	1,643	623	581	1,294	430	430

\*These figures include transfers—actual numbers for all hospitals combined are 18,652 and 2,862.  
†Elopers discharged (52) are included with ordinary discharges.  
‡Excludes deaths on probation and elopement; these are included with ordinary discharges.

TABLE No. 1 (Concl'd)  
DETAILED MOVEMENT OF PATIENT POPULATION—April 1, 1942, to March 31, 1943

POPULATION	LONDON			NEW TORONTO			ORILLIA			PENETANG			TORONTO			WHITBY			WOODSTOCK				
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		
1. Patients on Books, April 1, 1942:																							
In Residence.....	753	793	1,540	729	714	1,443	1,068	915	1,983	363	240	603	606	601	1,207	758	874	1,632	625	589	1,214		
In Boarding Homes.....	32	52	84	38	53	91	5	101	106	8	16	24	9	30	39	28	47	75	46	23	69		
On Probation.....	40	65	105	52	59	111	48	54	102	2	.....	.....	2	45	33	78	79	88	167	46	23		
On Enplacement (Not Discharged).....	.....	.....	.....	.....	.....	.....	7	1	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
TOTAL ON BOOKS.....	825	910	1,735	819	826	1,645	1,128	1,071	2,199	373	256	629	660	664	1,324	865	1,009	1,874	671	612	1,283		
2. Admitted During Year:																							
First Admissions.....	145	150	295	128	130	258	103	79	182	9	3	12	145	133	278	171	211	382	53	37	90		
Readmissions.....	47	56	103	26	32	58	5	4	9	1	1	2	48	49	97	78	81	159	12	2	14		
Transfers Received.....	10	10	20	10	10	20	7	2	9	18	1	19	62	19	81	24	7	31	48	21	69		
TOTAL ADMITTED.....	202	216	418	164	172	336	115	85	200	28	5	33	255	201	456	273	299	572	113	60	173		
3. Total Under Care*	1,027	1,126	2,153	983	998	1,981	1,243	1,156	2,399	401	261	662	915	865	1,780	1,138	1,307	2,445	784	672	1,456		
4. Discharged During Year†:																							
Recovered.....	36	54	90	35	41	76	.....	.....	.....	1	1	2	44	30	74	75	89	164	14	2	16		
Improved.....	53	72	125	47	68	115	.....	.....	.....	2	2	4	54	46	100	84	80	164	8	7	15		
Unimproved.....	6	15	21	3	3	6	.....	.....	.....	.....	.....	.....	7	3	10	12	9	21	2	.....	.....		
Without Psychosis.....	18	2	20	2	1	3	53	62	115	6	.....	6	13	6	19	37	13	50	41	.....	.....		
Died‡.....	59	50	109	58	55	113	41	37	78	9	4	13	65	78	143	69	89	158	36	36	72		
Transferred.....	24	15	39	104	11	115	7	3	10	9	1	10	42	16	58	23	12	35	19	6	25		
TOTAL DISCHARGED FROM BOOKS*	196	208	404	249	178	427	101	102	203	27	8	35	225	179	404	300	292	592	120	71	191		
5. Patients on Books, March 31, 1943:																							
In Residence.....	748	797	1,545	638	730	1,368	1,074	914	1,988	365	241	606	634	614	1,248	730	872	1,692	625	570	1,195		
In Boarding Homes.....	26	43	69	44	48	92	21	101	122	8	12	20	6	20	26	17	53	100	3	.....	.....		
On Probation.....	57	78	135	52	42	94	39	34	73	1	.....	.....	1	50	52	102	61	91	152	36	31		
On Enplacement (Not Discharged).....	.....	.....	.....	.....	.....	.....	8	5	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
TOTAL ON BOOKS.....	831	918	1,749	734	820	1,554	1,142	1,054	2,196	374	253	627	690	686	1,376	838	1,016	1,854	664	601	1,265		
6. Daily Average Population in Res.....	753	802	1,555	640	725	1,365	1,069	1,025	2,094	358	240	598	615	608	1,223	750	877	1,627	618	571	1,189		
7. Daily Average Population on Books.....	838	924	1,762	740	822	1,562	1,137	1,073	2,210	372	255	627	672	677	1,349	879	1,041	1,920	668	605	1,273		

\*These figures include transfers—actual numbers for all hospitals combined are 18,652 and 2,862.

†Elopers discharged (52) are included with ordinary discharges.

‡Excludes deaths on probation and etopement; these are included with ordinary discharges.

TABLE No. 2  
MOVEMENT OF PATIENT POPULATION—Year Ending March 31, 1943

HOSPITALS	TO POPULATION											
	FIRST ADMISSIONS			READMISSIONS			TRANSFERS RECEIVED			TOTAL ADDED TO POPULATION		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville	61	93	154	24	33	57	15	2	17	100	128	228
Cobourg	55	65	120	15	3	18	4	12	12	74	80	154
Fort William	144	173	317	53	64	117	14	3	17	211	240	451
Hamilton	97	71	171	24	28	52	17	3	20	138	105	243
Kingston	145	150	295	47	56	103	10	10	20	104	104	208
London	128	130	258	26	32	58	10	10	20	164	172	336
New Toronto	103	79	182	5	4	9	7	2	9	115	85	200
Oshawa	9	3	12	1	1	2	18	1	19	28	5	33
Perth	145	133	278	48	49	97	62	19	81	255	201	456
Toronto	171	211	382	78	81	159	24	7	31	273	293	572
Whitby	53	37	90	12	2	14	48	21	69	113	60	173
Woodstock												
ALL HOSPITALS	1,111	1,148	2,259	333	353	686	333	90	423	1,777	1,591	3,368

HOSPITALS	FROM POPULATION														
	DISCHARGED*			TRANSFERRED TO OTHER HOSPITALS			ELOPERS DISCHARGED			TOTAL FROM POPULATION			CHANGE IN POPULATION		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville	51	79	130	13	3	16	4	4	89	123	212	+11	+5	+16	
Cobourg	42	43	85	38	9	47	7	7	92	66	158	-18	+14	+14	
Fort William	104	126	230	28	36	64	7	7	195	209	404	+16	+31	+47	
Hamilton	76	52	128	10	7	17	17	17	140	95	235	-2	+10	+8	
Kingston	1	1	2	19	2	21	2	2	24	24	48	+80	+8	+80	
Langstaff	110	143	253	24	15	39	3	3	196	208	404	+6	+8	+14	
London	87	111	198	104	11	115	1	1	249	178	427	-85	+6	-91	
New Toronto	35	48	83	7	3	10	18	14	101	102	203	+14	-7	-3	
Oshawa	9	3	12	9	1	10	1	1	27	8	35	+1	-3	-2	
Perth	116	85	201	42	16	58	2	2	225	179	404	+30	+22	+52	
Toronto	208	191	399	69	89	158	23	12	300	292	592	-27	+7	-20	
Whitby	64	29	93	19	6	25	1	1	120	71	191	-7	-11	-18	
Woodstock															
ALL HOSPITALS	903	910	1,813	336	91	427	33	19	52	1,758	1,531	3,289	+19	+60	+79

\*Discharges include 5 deportations.

†Does not include deaths on probation or elopement. These are classed as discharges.

TABLE No. 3  
 PATIENT POPULATION—April 1, 1942, and MARCH 31, 1943

HOSPITALS	POPULATION, APRIL 1, 1942														
	PATIENTS IN HOSPITAL			PATIENTS ON PROBATION			PATIENTS BOARDING OUT			ELOPED AND NOT DISCHARGED			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brookville.....	546	548	1,094	33	40	73	13	25	38	.....	.....	.....	592	613	1,205
Cobourg.....	.....	434	434	.....	74	74	.....	25	25	.....	.....	.....	.....	584	584
Fort William.....	100	760	1,474	12	40	121	7	14	21	.....	.....	.....	112	800	1,612
Hamilton.....	581	512	1,093	30	23	53	16	40	56	.....	.....	.....	628	575	1,203
Kingston.....	346	753	1,546	3	15	105	32	52	84	.....	.....	.....	321	910	1,791
Langstaff.....	.....	729	1,413	52	59	111	35	53	91	.....	.....	.....	825	826	1,651
London.....	1,068	915	1,983	48	54	102	8	10	106	.....	.....	.....	1,238	1,271	2,509
New Toronto.....	363	240	603	2	33	78	8	16	24	.....	.....	.....	373	236	609
Oroville.....	606	601	1,207	45	70	88	28	30	39	.....	.....	.....	600	604	1,204
Penetang.....	758	874	1,632	40	98	167	.....	.....	.....	.....	.....	.....	865	1,009	1,874
Toronto.....	625	589	1,214	46	23	69	.....	.....	.....	.....	.....	.....	671	612	1,283
Whitby.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodstock.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	7,235	6,934	14,169	439	531	970	156	403	559	12	2	14	7,842	7,870	15,712

HOSPITALS	POPULATION, MARCH 31, 1942														
	PATIENTS IN HOSPITAL			PATIENTS ON PROBATION			ELOPED AND NOT DISCHARGED			TOTAL ON BOOKS			TOTAL NUMBER OF PATIENTS ON BOOKS DURING YEAR		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brookville.....	572	558	1,130	21	38	59	.....	.....	.....	.....	.....	.....	603	618	1,221
Cobourg.....	.....	422	422	.....	87	87	.....	.....	.....	.....	.....	.....	.....	548	548
Fort William.....	90	786	1,536	4	82	130	7	12	19	.....	.....	.....	94	94	94
Hamilton.....	583	526	1,109	26	24	50	16	35	51	.....	.....	.....	841	844	1,685
Kingston.....	425	748	1,545	6	26	43	.....	.....	.....	.....	.....	.....	626	585	1,211
Langstaff.....	.....	638	1,368	57	78	135	26	43	69	.....	.....	.....	431	431	431
London.....	1,074	914	1,988	39	42	94	44	48	92	.....	.....	.....	831	918	1,749
New Toronto.....	365	241	606	1	32	73	21	101	122	.....	.....	.....	734	820	1,554
Oroville.....	634	614	1,248	8	52	102	2	8	10	.....	.....	.....	1,142	1,054	2,196
Penetang.....	730	872	1,602	61	91	152	6	20	26	.....	.....	.....	374	253	627
Toronto.....	625	570	1,195	36	31	67	47	53	100	.....	.....	.....	838	1,016	1,854
Whitby.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	664	601	1,265
Woodstock.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	7,270	6,994	14,264	401	559	960	188	374	562	9	16	25	7,868	7,943	15,811



TABLE No. 5  
CHANGES IN PATIENT POPULATION—April 1, 1942, to March 31, 1943

HOSPITALS	PATIENTS IN HOSPITAL			PATIENTS ON PROBATION			PATIENTS IN BOARDING HOMES			ELOPED AND NOT DISCHARGED			TOTAL IN BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Brockville.....	+26	+10	+36	-12	-2	-14	-3	-3	-6				+11	+5	+16
Cobourg.....		-12	-12		+13	+13		+3	+3		+10	+10		+11	+14
Fort William.....	-10		-10	-8		-8							-18		-18
Hamilton.....	+26	+36	+62	-1	+10	+9		-2	-2			-2	+23	+11	+67
Kingston.....	+2	+11	+16	-1	+1	-3		-5	-5				-2	+10	+8
Langstaff.....	+79		+79	+3		+3						-2	+80		+80
London.....	-5	+4	-1	+17	+13	+30	-6	-9	-15				+6	+8	+14
New Toronto.....	-91	+16	-75		-17	-17	+6	-5	+1				-85	-6	-91
Orillia.....	+6	-1	+5	-9	-20	-29	+16		+16	+1	+1	+5	+14	-17	-3
Penetang.....	+2	+1	+3	-1		-1		-4	-4				+1	-3	-2
Toronto.....	+28	+13	+41	+5	+19	+24	-3	-10	-13				+30	+22	+52
Whitby.....	-28	-2	-30	-18	+3	-15	+19	+6	+25				-27	+7	-20
Woodstock.....		-19	-19	-10	+8	-2	+3		+3				-7	-11	-18
TOTALS.....	+35	+60	+95	-38	+28	-10	+32	-29	+3	-3	+11	+11	+26	+73	+99

TABLE No. 6  
SUMMARY OF PATIENT POPULATION—Year Ending March 31, 1943

DIAGNOSIS	ADMISSIONS			DISCHARGES			DEATHS			PATIENTS IN RESIDENCE*		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. With Syphilitic Meningo-Encephalitis	76	20	96	46	14	60	42	12	54	417	81	498
02. With Other Forms of Syphilis	4	2	6	3	1	4	2	2	4	15	9	24
03. With Epidemic Encephalitis	5	2	7	2	1	3	3	2	5	12	10	22
04. With Other Infectious Diseases	2	2	4	2	1	3	2	1	3	12	11	23
05. With Other Psychoses	43	9	52	33	10	43	22	1	23	56	9	65
06a. Due to Opium and Other Drugs	3	4	7	4	2	6	.....	.....	.....	2	1	3
06b. Due to Other Exogenous Toxins	4	6	10	4	4	8	.....	.....	.....	1	3	4
07. Traumatic Psychoses	7	2	9	4	4	8	.....	.....	.....	16	1	17
08. With Organic Changes of Nervous System	114	103	217	20	17	37	74	71	145	221	193	414
09. With Organic Changes of Circulation	9	8	17	3	4	7	5	8	13	6	6	12
10. With Other Disturbances of Circulation	25	18	43	15	14	29	18	8	26	193	179	372
11. With Convulsive Disorders (Epilepsy)	172	156	328	18	20	38	98	145	243	163	265	428
12. With Other Psychoses	32	92	124	18	71	89	6	25	31	67	201	268
13. Due to Other Metabolic, etc., Diseases	14	28	42	6	23	29	10	14	24	24	38	62
14. Due to New Growth	1	1	2	.....	.....	.....	.....	.....	.....	2	2	4
15. With Organic Changes of Nervous System	11	7	18	.....	.....	.....	.....	.....	.....	5	8	13
16. Psychoses	47	88	135	48	83	131	.....	.....	.....	37	17	54
17. Manic-Depressive Psychoses	224	311	535	170	250	420	41	40	81	469	623	1,092
18. Dementia Praecox (Schizophrenia)	357	317	674	263	204	467	100	105	205	3,410	3,376	6,786
19. Paranoia and Paranoid Conditions	22	27	49	19	11	30	3	3	6	124	115	239
20. With Psychotic Personality	8	1	9	5	1	6	1	.....	.....	20	13	33
21. With Mental Deficiency	27	26	53	27	15	42	8	6	14	309	240	549
22. Undiagnosed Psychoses	15	19	34	16	6	22	5	2	7	14	33	47
231a. Epileptics Not Psychotic or Feeble-minded	26	20	46	21	12	33	.....	.....	.....	72	52	124
231b. Epileptics Who Are Feeble-minded	19	15	34	20	10	30	16	10	26	223	230	453
232. Alcoholism	15	5	20	28	4	32	.....	.....	.....	9	5	14
233. Drug Addiction	15	5	20	2	2	4	.....	.....	.....	3	.....	3
234. Mental Deficiency	176	193	369	92	123	215	40	44	84	1,517	1,523	3,040
235. Disorders of Personality	3	2	5	2	1	3	.....	.....	.....	15	6	21
236. Psychopathic Personality	11	3	14	7	1	8	1	.....	.....	17	1	18
237. Other Neuro-psychiatric Conditions	13	5	18	10	1	11	.....	.....	.....	12	2	14
24. Primary Brain and Psychotic Disorders	9	7	16	9	4	13	.....	.....	.....	2	3	5
25. Without Mental Disorder	6	1	7	23	4	27	.....	.....	.....	1	.....	1
TOTALS 1-22	1,161	1,252	2,413	722	767	1,489	429	453	882	5,596	5,546	11,142
TOTALS 23-25	283	249	532	214	162	376	57	58	115	1,862	1,822	3,684
GRAND TOTALS	1,444	1,501	2,945	936	929	1,865	486	511	997	7,458	7,368	14,826

\*Includes patients boarding out.



TABLE No. 7

PLACE OF RESIDENCE (COUNTY OR DISTRICT) OF FIRST ADMISSIONS, READMISSIONS AND PATIENTS IN RESIDENCE

COUNTY OR DISTRICT	FIRST ADMISSIONS			READMISSIONS			PATIENTS IN RESIDENCE*		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Addington.....							2	1	3
Algoma.....	10	8	18	1	3	4	109	97	206
Brant.....	10	24	34	2	1	3	84	97	181
Bruce.....	6	8	14	4	3	7	63	82	145
Carleton.....	40	67	107	7	24	31	338	411	749
Cochrane.....	36	17	53	5	1	6	162	80	242
Dufferin.....	10	4	14	1	1	2	22	34	56
Dundas.....	2	2	4	1		1	23	21	44
Durham.....	1	13	14	2	6	8	48	45	93
Elgin.....	9	11	20	4	5	9	66	86	152
Essex.....	37	42	79	15	11	26	303	272	575
Frontenac.....	26	24	50	6	8	14	154	103	257
Glengarry.....	5	8	13	1	2	3	51	34	85
Grenville.....	4	6	10	2		2	49	43	92
Grey.....	19	17	36	4	2	6	123	91	214
Haldimand.....	8	7	15	5	2	7	36	35	71
Haliburton.....	2	1	3				10	4	14
Halton.....	3	8	11	4	1	5	42	43	85
Hastings.....	23	21	44	8	8	16	114	139	253
Huron.....	15	8	23		7	7	66	82	148
Kenora.....	4	5	9	3	2	5	47	21	68
Kent.....	20	19	39	3	3	6	133	111	244
Lambton.....	16	13	29	4	3	7	97	102	199
Lanark.....	8	12	20	3	4	7	70	66	136
Leeds.....	13	12	25	2	2	4	79	97	176
Lennox.....	7	4	11	3	2	5	42	40	82
Lincoln.....	12	15	27	4	5	9	102	90	192
Manitoulin.....		2	2	2		2	7	14	21
Middlesex.....	34	41	75	11	19	30	269	326	595
Muskoka.....	4	9	13		4	4	41	47	88
Nipissing.....	19	19	38	3	7	10	170	74	244
Norfolk.....	10	3	13	1	3	4	56	47	103
Northumberland.....	10	9	19	2	5	7	68	58	126
Ontario.....	31	27	58	13	9	22	94	103	197
Oxford.....	17	17	34	5	5	10	94	81	175
Parry Sound.....	9	6	15	1	3	4	82	67	149
Peel.....	14	24	38	1	1	2	44	53	97
Perth.....	3	1	4	2	2	4	78	89	167
Peterborough.....	9	13	22	10	4	14	49	89	138
Prescott.....	4	6	10	2	2	4	64	58	122
Prince Edward.....	3	6	9	1	2	3	34	29	63
Rainy River.....	7	3	10		1	1	37	32	69
Renfrew.....	12	18	30	3	3	6	122	117	239
Russell.....	4	2	6				48	30	78
Simcoe.....	23	32	55		6	13	204	207	411
Stormont.....	10	10	20	7	2	8	63	57	120
Sudbury.....	16	14	30	1	3	4	152	90	242
Thunder Bay.....	47	14	61	12	6	18	254	116	370
Timiskaming.....	28	11	39	4	2	6	113	56	169
Victoria.....	8	15	23	1	6	7	53	54	107
Waterloo.....	13	26	39	5	12	17	121	154	275
Welland.....	28	21	49	3	6	9	128	127	255
Wellington.....	16	15	31	6	4	10	135	110	245
Wentworth.....	58	75	133	18	29	47	429	423	852
York.....	282	324	606	113	98	211	1,950	2,298	4,248
Patricia.....									
Other Provinces.....	15	4	19	4			36	16	52
U.S.A.....	3	1	4	1	2	3	8	9	17
Unascertained.....	28	1	29	1	1	2	27	22	49
TOTALS.....	1,111	1,148	2,259	333	353	686	7,458	7,368	14,826

\*Includes patients boarding out.

**TABLE No. 8**  
**RELIGION OF FIRST ADMISSIONS AND PATIENTS IN RESIDENCE**

RELIGION	FIRST ADMISSIONS			IN RESIDENCE*		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
Baptist	49	62	111	293	380	673
Church of England	216	248	464	1,284	1,516	2,800
Hebrew	25	16	41	157	163	320
Presbyterian	100	120	220	845	915	1,760
Roman Catholic	287	239	526	2,113	1,610	3,723
United Church	216	294	510	1,351	1,533	2,884
Lutheran	33	9	42	143	59	202
Greek Catholic	9	1	10	36	8	44
Methodist				15		15
Salvation Army	3	6	9	15	24	39
Other Denominations	120	108	228	820	814	1,634
Unascertained	53	45	98	386	346	732
<b>TOTALS</b>	<b>1,111</b>	<b>1,148</b>	<b>2,259</b>	<b>7,458</b>	<b>7,368</b>	<b>14,826</b>

\*Includes patients boarding out.

**CHURCH SERVICES AND ATTENDANCE**

CHURCH SERVICES	NUMBER HELD	ATTENDANCE		
		MALE	FEMALE	TOTAL
Protestant	617	45,914	33,431	79,345
Catholic	475	11,269	5,968	17,237

TABLE No. 9  
PATIENTS IN RESIDENCE BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP																
	UNDER 10		10-14		15-19		20-24		25-29		30-34		35-39		40-44		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
01. With Syph. Meningo-Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
02. With Other Forms of Syphilis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
03. With Epidemic Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
04. With Other Infectious Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
05. Alcoholic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
06a. Due to Opium and Other Drugs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
06b. Due to Other Exogenous Toxins.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
07. Traumatic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
08. With Cerebral Arteriosclerosis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
09. With Other Disturb. of Circulation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10. With Convul. Disorders (Epilepsy).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11. Senile Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12. Involutional Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13. Due to Other Metabolic, etc., Dis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14. Due to New Growth.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15. With Organic Changes of Nerv. Sys.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16. Psychoneuroses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17. Manic-Depressive Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18. Dementia Praecox (Schizophrenia).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19. Paranoia and Paranoid Conditions.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20. With Psychopathic Personality.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21. With Mental Deficiency.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22. Undiagnosed Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
231a. Epileptics Not Psychotic or Feeble-minded.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
231b. Epileptics Who Are Feeble-minded.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
232. Alcoholism.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
233. Drug Addiction.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
234. Mental Deficiency.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
235. Disorders of Personality.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
236. Psychopathic Personality.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
237. Other Non-psychotic Conditions.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24. Primary Behaviour Disorders.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25. Without Mental Disorder.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS 1-22.....	1	1	2	.....	2	56	38	94	188	112	300	363	237	500	491	389	880
TOTALS 23-25.....	126	89	215	249	163	412	345	293	638	270	297	567	182	212	394	155	174
GRAND TOTALS.....	126	90	216	251	163	414	401	331	732	458	409	867	545	449	994	646	563

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 9 (Concl'd)  
PATIENTS IN RESIDENCE BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP (Concl'd)												TOTAL												
	45-49		50-54		55-59		60-64		65-69		70 AND OVER		UNASCERTAINED		M.	F.	T.								
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.								
01. With Syph. Meningo-Encephalitis	93	15	108	81	9	90	51	14	65	32	3	35	26	2	28	5	2	7	1	1	417	81	498		
02. With Other Forms of Syphilis	1	2	3	3	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	15	9	24		
03. With Epidemic Encephalitis	3	1	4	3	3	1	6	2	2	6	2	8	11	1	12	2	2	2	2	2	15	10	25		
04. With Other Infectious Diseases	1	1	2	5	2	1	3	2	2	6	2	8	11	1	12	2	2	2	2	2	50	9	59		
05. Alcoholic Psychoses	5	1	6	2	1	3	6	2	8	6	2	8	11	1	12	2	2	2	2	2	2	4	6		
06a. Due to Opium and Other Drugs	1	1	2	1	1	2	2	1	3	2	1	3	2	1	3	1	1	1	1	1	1	3	4		
06b. Due to Other Exogenous Toxins	1	1	2	4	1	4	1	1	1	1	1	1	2	2	2	2	2	2	2	2	16	1	17		
07. Traumatic Psychoses	2	1	3	7	8	15	21	13	34	42	4	32	48	47	95	100	89	180	1	1	221	193	414		
08. With Cerebral Arteriosclerosis	1	2	3	4	3	7	8	15	11	1	1	1	1	1	1	1	1	1	1	1	6	6	12		
09. With Other Disturb. of Circulation	24	21	45	22	33	55	17	13	30	7	12	19	10	3	15	9	10	16	16	16	193	179	372		
10. With Convul. Disorders (Epilepsy)	3	23	26	5	39	44	16	43	59	21	46	67	17	19	36	3	23	26	26	2	67	201	268		
11. Senile Psychoses	3	23	26	5	39	44	16	43	59	21	46	67	17	19	36	3	23	26	26	2	67	201	268		
12. Involutional Psychoses	1	4	5	1	5	5	1	8	9	2	3	5	3	3	3	3	3	3	3	3	6	38	44		
13. Due to Other Metabolic, etc., Dis.	6	2	8	6	2	8	6	1	7	2	2	2	2	2	2	2	2	2	2	2	87	17	104		
14. Due to New Growth	8	6	14	2	16	18	4	8	12	2	3	5	3	3	3	3	3	3	3	3	37	67	104		
15. With Organic Changes of Nerv. Sys.	47	73	120	63	86	149	69	88	157	73	90	163	50	58	108	46	66	112	112	1	469	623	1092		
16. Psychoneuroses	439	480	869	402	454	856	311	389	700	227	342	569	167	219	366	113	261	374	374	4	3,410	3,376	6,786		
17. Manic-Depressive Psychoses	24	14	38	16	26	42	18	22	40	12	19	31	11	12	23	13	14	27	27	1	124	115	239		
18. Dementia Praecox (Schizophrenia)	34	25	59	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20	13	33		
19. Paranoia and Paranoid Conditions	1	6	7	1	6	7	2	3	4	2	27	51	9	17	26	7	9	16	16	1	309	290	599		
20. With Psychopathic Personality	1	6	7	1	6	7	2	3	4	2	27	51	9	17	26	7	9	16	16	1	14	33	47		
21. With Mental Deficiency	2	1	3	4	2	6	6	1	7	5	4	9	6	2	8	3	3	3	3	3	72	52	124		
22. Undiagnosed Psychoses	11	16	27	7	12	19	4	3	7	2	3	6	2	2	2	2	2	2	2	2	223	230	453		
231a. Epileptics Not Psychotic or Feeble-minded	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9	5	14		
231b. Epileptics Who Are Feeble-minded	73	60	133	57	73	130	39	64	103	36	34	70	19	23	42	8	18	26	26	1	1,917	1,523	3,440		
232. Alcoholism	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	12	6	18		
233. Drug Addiction	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4		
234. Mental Deficiency	73	60	133	57	73	130	39	64	103	36	34	70	19	23	42	8	18	26	26	1	1,917	1,523	3,440		
235. Disorders of Personality	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4		
236. Psychopathic Personality	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4		
237. Other Non-psychotic Conditions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4		
24. Primary Behaviour Disorders	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4		
25. Without Mental Disorder	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4		
TOTALS 1-22	694	628	1,322	643	718	1,361	568	636	1,204	469	596	1,065	386	415	801	424	707	1,131	1,131	9	12	21	5,596	5,546	11,142
TOTALS 23-25	87	79	166	70	89	159	53	69	122	47	42	89	29	28	57	12	19	31	31	2	2	4	1,862	1,822	3,684
GRAND TOTALS	781	707	1,488	713	807	1,520	621	705	1,326	516	638	1,154	415	443	858	436	726	1,162	1,162	11	14	25	7,458	7,368	14,826

WITH PSYCHOSES

WITHOUT PSYCHOSES

**TABLE No. 10**  
**PATIENTS IN RESIDENCE\* BY HOSPITAL AND AGE**

Age Group (Years)	TOTAL		BROCKVILLE		CONROUG		FORT WILLIAM		HAMILTON		KINGSTON		LANGSTAFF	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Under 15.....	377	253	8	5	1	53	2	4	12	7	1	6	1	16
15-19.....	401	331	24	13	53	84	4	4	33	13	10	31	18	49
20-24.....	458	420	48	44	81	84	10	6	45	23	39	39	20	39
25-29.....	545	460	39	31	39	39	6	6	62	60	51	29	80	54
30-34.....	646	563	44	42	36	36	9	9	77	56	62	47	109	52
35-39.....	728	713	61	48	109	133	15	15	93	74	78	67	64	64
40-44.....	788	713	71	58	74	148	11	11	81	105	81	76	157	96
45-49.....	853	807	65	58	125	14	7	7	92	104	69	71	140	54
50-54.....	733	807	59	50	26	26	7	7	91	62	60	72	132	47
55-59.....	621	638	38	39	40	40	6	6	71	61	53	60	77	41
60-64.....	515	638	16	16	31	31	5	5	58	77	34	26	60	24
65-69.....	435	443	32	16	19	19	8	8	76	111	30	52	82	12
70 and Over.....	436	726	8	2	41	41	8	8	2	2	2	2	2	2
Not Stated.....	11	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	7,458	7,368	582	580	450	450	90	90	793	762	599	561	425	425

Age Group (Years)	LONDON		NEW TORONTO		ORILLIA		PENETANG		TORONTO		WHITBY		WOODSTOCK	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Under 15.....	.....	6	12	8	365	344	32	4	1	9	1	6	10	8
15-19.....	24	19	35	19	270	208	38	9	11	14	11	19	28	14
20-24.....	40	26	71	31	178	151	57	47	22	22	22	19	44	41
25-29.....	98	61	63	68	31	96	27	22	32	42	32	66	51	52
30-34.....	75	69	71	72	65	81	55	25	46	38	84	81	71	56
35-39.....	89	80	76	72	37	65	80	21	69	61	130	73	67	62
40-44.....	89	90	86	82	40	68	52	83	68	61	86	96	67	62
45-49.....	90	88	82	68	28	40	39	34	93	68	161	92	73	66
50-54.....	91	109	80	101	22	26	48	34	90	56	146	94	59	62
55-59.....	77	97	60	86	15	31	38	73	69	78	117	76	118	194
60-64.....	77	53	60	49	9	26	36	64	59	80	139	70	50	35
65-69.....	26	53	43	59	3	14	16	10	46	50	105	95	42	36
70 and Over.....	77	136	30	65	1	13	3	7	54	88	63	70	43	33
Not Stated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	774	840	682	778	1,095	1,015	373	253	640	634	777	925	628	570

\*Includes patients boarding out.

TABLE No. 11  
PATIENTS IN RESIDENCE BY HOSPITAL AND DIAGNOSIS

DIAGNOSIS	BRACKVILLE		COROURG		FORT WILLIAM		HAMILTON		KINGSTON		LANGSTAFF		LONDON			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
01. With Syphilitic Meningo-Encephalitis	46	11	57	1	1	9	61	4	65	25	7	32	1	60	9	69
02. With Other Forms of Syphilis	1	1	2				1		1	1	1	5		4	3	3
03. With Epidemic Encephalitis	1	1	1											1	3	7
04. With Other Infectious Diseases	3	1	1			1	7	1	8	1	1	1	6	1	1	1
05. Alcoholic Psychoses																
06a. Due to Opium and Other Drugs																
06b. Due to Other Exogenous Toxins																
07. Traumatic Psychoses	2		2				2	1	1	1	1	2	2	2	1	3
08. With Cerebral Arteriosclerosis	21	11	38			4	47	66	113	16	4	20	3	29	21	50
09. With Other Disturbances of Circulation	3	2	5			1	5	3	8	5	8	13	1	11	1	15
10. With Convulsive Disorders (Epilepsy)	24	28	52			7	13	26	41	14	24	38	1	26	45	71
11. Senile Psychoses	8	19	27			2	18	28	41	6	10	16	2	1	28	32
12. Involutional Psychoses																
13. Due to Other Metabolic, etc., Diseases							1	9	10	1	1	1		2	8	10
14. Due to New Growth																
15. With Organic Changes of Nervous System	3	2	5				6	4	10	2	1	2		9	3	12
16. Psychoneuroses	3	8	11			1	2	11	16	9	15	21	2	5	9	14
17. Manic-Depressive Psychoses	35	64	99			6	44	62	106	64	68	132	17	69	122	191
18. Dementia Praecox (Schizophrenia)	354	353	707			44	434	450	881	287	319	606	283	439	483	922
19. Paranoia and Paranoid Conditions	5	5	10			3	9	1	10	37	14	51	10	16	11	27
20. With Psychopathic Personality	1						3	1	4	3	1	1		4	4	8
21. With Mental Deficiency	32	29	61			3	45	42	87	45	40	85	27	45	30	75
22. Undiagnosed Psychoses														3	3	16
WITH PSYCHOSES																
231a. Epileptics Not Psychotic or Feeble-minded	2	2	4				5	1	6	1	1	1		1	1	1
231b. Epileptics Who Are Feeble-minded	14	1	15			1	3	3	3	2	2	1		1	1	1
232. Alcoholism																
233. Drug Addiction																
234. Mental Deficiency	19	32	51			9	81	43	127	72	41	116	63	38	36	71
235. Disorders of Personality																
236. Psychopathic Personality	2		2				1	1	1	2	1	2	1	2	2	5
237. Other Non-psychotic Conditions																
24. Primary Behaviour Disorders							1	1	2	1	1	1				
25. Without Mental Disorders																
TOTALS 1-22	545	541	1,089			80	698	715	1,413	520	516	1,036	360	733	802	1,535
TOTALS 23-25	37	36	73			10	95	47	142	79	45	124	65	41	38	79
GRAND TOTALS	582	580	1,162			90	793	762	1,555	599	561	1,160	425	774	840	1,614

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 11 (Concl'd)  
PATIENTS IN RESIDENCE BY HOSPITAL AND DIAGNOSIS

DIAGNOSIS	NEW TORONTO		ORILLIA		PENETANG		TORONTO		WHITBY		WOODSTOCK		TOTAL					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
01. With Syphilitic Meningo-Encephalitis	41	17	58				114	24	138	41	5	46	13	3	16	417	81	498
02. With Other Forms of Syphilis	3	2	5	1			6	4	10	2	2	4	2	1	3	15	9	24
03. With Epidemic Encephalitis	3	2	5				1	2	3	1	2	3	2	1	3	15	10	25
04. With Other Infectious Diseases	6	1	7				8	2	10	13	2	15	1	1	1	50	9	59
05. Alcoholic Psychoses					2	2				2	2	4				2	4	6
06a. Due to Opium and Other Drugs																		
06b. Due to Other Exogenous Toxins																		
07. Traumatic Psychoses					1	1				4	4	8				16	1	17
08. With Cerebral Arteriosclerosis	24	14	38				2	45	91	13	20	33	14	6	20	221	193	414
09. With Other Disturbances of Circulation	2	5	7				4	6	10	3	3	6	1	1	2	6	6	12
10. With Convulsive Disorders (Epilepsy)	25	52	77	2	1	3	13	4	17	27	44	3	147	143	290	193	179	372
11. Senile Psychoses	3	32	35				3	3	6	17	57	74	6	8	14	67	201	268
12. Involutional Psychoses							8	15	23	17	57	74	6	8	14	67	201	268
13. Due to Other Metabolic, etc., Diseases							3	6	9	2	9	11				6	38	44
14. Due to New Growth							9	6	15	2	1	3				2	2	4
15. With Organic Changes of Nervous System.							2	9	11	5	5	10				7	17	24
16. Psychoses							7	6	13	4	11	15	4	3	7	37	67	104
17. Manic-Depressive Psychoses	85	62	147				31	22	53	46	63	109	13	12	25	469	623	1,092
18. Dementia Praecox (Schizophrenia)	385	490	875	1	2	3	168	121	289	507	508	1,015	221	181	402	3,410	3,376	6,786
19. Paranoia and Paranoid Conditions	15	18	33				4	4	8	18	54	72	2	1	3	124	115	239
20. With Psychopathic Personality	25	23	48	2	20	22	18	9	27	32	45	80	26	28	54	309	290	599
21. With Mental Deficiency	2	8	10				2	6	8	2	2	4	2	2	4	14	33	47
22. Undiagnosed Psychoses																		
23a. Epileptics Not Psychotic or Feeble-minded							8	3	11				56	44	100	72	52	121
23b. Epileptics Who Are Feeble-minded							4		4				97	125	222	223	230	453
23c. Alcoholism	1	1	2							5	3	8				9	5	14
23d. Drug Addiction										2	2	4				4	4	8
23e. Mental Deficiency	62	45	107	990	800	1,880	100	79	179	24	18	42	33	28	61	1,517	1,523	3,040
23f. Disorders of Personality	1			2	4	6	2	2	4				1	1	1	14	6	20
23g. Psychopathic Personality				8	8	16	8	8	16	1	1	2	1	1	1	17	1	18
23h. Other Non-psychotic Conditions							1	2	3	1	1	2	1	1	1	4	2	6
24. Primary Behavioral Disorders							1	1	2							3	3	6
25. Without Mental Disorders																		
TOTALS 1-22	618	732	1,350	6	23	29	250	169	419	602	610	1,212	439	373	812	5,596	5,546	11,142
TOTALS 23-25	64	46	110	1,089	992	2,081	123	84	207	38	24	62	180	197	386	1,862	1,822	3,684
GRAND TOTALS	682	778	1,460	1,095	1,015	2,110	373	253	626	640	634	1,274	628	570	1,198	7,458	7,368	14,826

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 12  
METHOD OF ADMISSION BY HOSPITAL

METHOD OF ADMISSION	ALL HOSPITALS			BROCKVILLE			COROURG			FORT WILLIAM			HAMILTON			KINGSTON			LANGSTAFF		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Voluntary Application.....	51	66	117	58	93	151	44	44	1	20	1	4	2	4	6	4	4	8	.....	.....	.....
Two Physicians' Certificates.....	780	911	1,691	3	.....	.....	3	3	27	27	27	109	161	270	77	67	144	.....	.....	.....	
Warrant of Deputy Minister.....	190	104	294	3	.....	.....	18	18	2	.....	.....	25	8	33	6	1	1	7	.....	.....	.....
Warrant of Lieutenant-Governor.....	17	35	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Order of Magistrate.....	29	4	33	.....	.....	.....	.....	.....	5	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warrant of Minister of Justice.....	3	1	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warrant of Deputy Minister for Person Deported.....	8	2	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Habitue—Voluntary.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Habitue—Temporary Commitment.....	2	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Habitue—Warrant of Deputy Minister for Removal.....	28	24	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Inspector's Warrant.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	1,111	1,118	2,229	61	93	154	65	65	55	55	55	141	173	317	97	74	171	.....	.....	.....	.....
Voluntary Application.....	51	53	104	3	2	5	.....	.....	2	.....	.....	40	57	97	18	27	45	.....	.....	.....	.....
Two Physicians' Certificates.....	192	259	451	18	29	47	.....	.....	6	6	6	9	6	15	5	.....	.....	.....	.....	.....	.....
Warrant of Deputy Minister.....	66	33	99	.....	.....	.....	.....	.....	7	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warrant of Lieutenant-Governor.....	5	2	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Order of Magistrate.....	4	1	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warrant of Minister of Justice.....	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warrant of Deputy Minister for Person Deported.....	4	3	7	3	2	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Habitue—Voluntary.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Habitue—Temporary Commitment.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Habitue—Warrant of Deputy Minister for Removal.....	6	2	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Inspector's Warrant.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	333	353	686	24	33	57	3	3	15	15	15	53	64	117	24	28	52	.....	.....	.....	.....

First Admissions

Re-admissions



TABLE No. 12 (Concl'd)  
METHOD OF ADMISSION BY HOSPITAL.

METHOD OF ADMISSION	LONDON			NEW TORONTO			OMELLA			PERETANG			TORONTO			WHITBY			WOODSTOCK			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Voluntary Application.....	10	14	24	5	3	8																
Two Physicians' Certificates.....	116	132	216	38	41	82	97	67	164	5	3	8	113	114	227	21	36	60	19	33	82	3
Warrant of Deputy Minister.....	6	1	7	80	81	161	2		2				16	3	19	23	7		2			
Warrant of Lieutenant-Governor.....	1		1	3		3	2	12	14	2		2	1	5	6	1						
Order of Magistrate.....	8	2	10	1	1	2	2		2				1	1	1	4			2			2
Warrant of Minister of Justice.....	4	1	5	1		1									2							1
Habitue—Voluntary.....																						
Habitue—Temporary Commitment.....																						
Habitue—Warrant of Deputy Minister for Removal.....						1																
Inspector's Warrant.....						1																1
TOTALS.....	145	150	295	128	130	258	103	79	182	9	3	12	115	133	278	171	211	382	53	37	90	
Voluntary Application.....	5	12	17	1		1							10	4	15	28	34	62	2			2
Two Physicians' Certificates.....	33	41	74	14	13	27	5	4	9				26	10	66	27	43	70	5	5	2	7
Warrant of Deputy Minister.....	4		4	10	19	29							8	4	12	19	3	22	4			4
Warrant of Lieutenant-Governor.....	1	2	3	1		1																
Order of Magistrate.....	3	1	4																			
Warrant of Minister of Justice.....																						
Warrant of Deputy Minister for Person Deported.....																						
Habitue—Voluntary.....																						
Habitue—Temporary Commitment.....																						
Habitue—Warrant of Deputy Minister for Removal.....	1		1										3	1	4	1	1	1	2	1	3	
Inspector's Warrant.....																						
TOTALS.....	47	56	103	26	32	58	5	4	9	1	1	2	48	49	97	78	81	159	12	2	14	

FIRST ADMISSIONS

READMISSIONS

**TABLE No. 13**  
**METHOD OF ADMISSION—FIRST AND READMISSIONS**

METHOD OF ADMISSION	FIRST ADMISSIONS			READMISSIONS		
	M.	F.	T.	M.	F.	T.
1. Voluntary Application (Sec. 19) (Form 1)	51	66	117	51	53	104
2. Two Physicians' Certificates (Sec. 20) (Form 2, 3 or 26)	780	911	1,691	192	259	451
—Mentally Ill (Form 2)	515	602	1,117	141	192	333
—Mentally Defective (Form 3)	220	275	495	46	66	112
—Epileptic (Form 26)	45	34	79	5	1	6
3. Warrant of Deputy Minister (Sec. 25-30) (Form 11)	190	104	294	66	33	99
4. Warrant of Lieutenant-Governor (Sec. 32)	17	35	52	5	2	7
5. Order of Magistrate (Sec. 35) (Form 16).	32	4	36	4	1	5
—Certificated	22	2	24	4	1	5
—Discharged to Court	10	2	12			
6. Warrant of Minister of Justice (Under Penitentiary Act)	3	1	4	3		3
7. Warrant of Deputy Minister for Person Deported (Sec. 64) (Form 36)	8	2	10	4	3	7
8. Habitue—Voluntary (Sec. 46) (Form 20)						
9. Habitue—Temporary Commitment— Two Physicians' Certificates, 30 Days (Sec. 52-53) (Form 25)						
—Certificated						
—Discharged						
10. Habitue—Warrant of Deputy Minister for Removal (Sec. 47-51) (Form 24)	2	1	3	2		2
11. Inspector's Warrant—Sec. 9 (3) Psychiatric Hospitals Act	28	24	52	6	2	8
<b>TOTALS</b>	<b>1,111</b>	<b>1,148</b>	<b>2,259</b>	<b>333</b>	<b>353</b>	<b>686</b>

**TABLE No. 14**  
**ADMISSIONS BY PLACE OF BIRTH AND NATIVITY OF PARENTS**

NATIVITY	FIRST ADMISSIONS			READMISSIONS			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Canadian Born	787	882	1,669	248	244	492	1,035	1,126	2,161
—Canadian-born Parents	428	458	886	135	140	275	563	598	1,161
—British-born Parents	126	174	300	30	38	68	156	212	368
—Foreign-born Parents	51	33	84	15	11	26	66	44	110
—Mixed Parentage	94	108	202	38	35	73	132	143	275
—Unknown Parentage	88	109	197	30	20	50	118	129	249
British Born	143	169	312	37	60	97	180	229	409
Foreign Born	171	91	262	48	49	97	219	140	359
Unknown	10	6	16				10	6	16
<b>TOTALS</b>	<b>1,111</b>	<b>1,148</b>	<b>2,259</b>	<b>333</b>	<b>353</b>	<b>686</b>	<b>1,444</b>	<b>1,501</b>	<b>2,945</b>

**TABLE No. 15**  
**ADMISSIONS BY CITIZENSHIP**

CITIZENSHIP	FIRST ADMISSIONS			READMISSIONS			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Canadian by Birth.....	787	882	1,669	248	244	492	1,035	1,126	2,161
British Born Who Have Resided in Canada 5 Years or More...	128	153	281	31	59	90	159	212	371
British Born with Less than 5 Years' Residence in Canada...	2	2	4	1	.....	1	3	2	5
British Born, Length of Resi- dence Unknown.....	14	16	30	5	1	6	19	17	36
Alien Born (Naturalized).....	8	3	11	1	.....	1	9	3	12
Alien Born with 5 Years' or More Residence in Canada....	134	71	205	41	47	88	175	118	293
Alien Born with Less than 5 Years' Residence .....	6	4	10	1	2	3	7	6	13
Alien Born, Duration of Resi- dence Unknown.....	22	10	32	4	.....	4	26	10	36
Not Given.....	10	7	17	1	.....	1	11	7	18
<b>TOTALS</b> .....	<b>1,111</b>	<b>1,148</b>	<b>2,259</b>	<b>333</b>	<b>353</b>	<b>686</b>	<b>1,444</b>	<b>1,501</b>	<b>2,945</b>

**TABLE No. 16**  
**FIRST ADMISSIONS AND READMISSIONS BY AGE AND SEX**

AGE GROUP	FIRST ADMISSIONS			READMISSIONS			TOTAL ADMISSIONS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 10 Years.....	51	31	82	2	.....	2	53	31	84
10-14.....	44	36	80	3	.....	3	47	36	83
15-19.....	78	62	140	9	7	16	87	69	156
20-24.....	108	127	235	33	15	48	141	142	283
25-29.....	73	113	186	36	41	77	109	154	263
30-34.....	97	94	191	31	44	75	128	138	266
35-39.....	85	87	172	31	30	61	116	117	233
40-44.....	97	79	176	44	42	86	141	121	262
45-49.....	66	68	134	27	42	69	93	110	203
50-54.....	63	93	156	31	33	64	94	126	220
55-59.....	59	55	114	32	35	67	91	90	181
60-64.....	59	62	121	14	30	44	73	92	165
65-69.....	67	69	136	26	15	41	93	84	177
70 and Over.....	159	169	328	14	19	33	173	188	361
Not Stated.....	5	3	8	.....	.....	.....	5	3	8
<b>ALL AGES</b> .....	<b>1,111</b>	<b>1,148</b>	<b>2,259</b>	<b>333</b>	<b>353</b>	<b>686</b>	<b>1,444</b>	<b>1,501</b>	<b>2,945</b>

TABLE No. 17  
FIRST AND READMISSIONS BY DIAGNOSIS

DIAGNOSIS	FIRST ADMISSIONS			READMISSIONS		
	M.	F.	T.	M.	F.	T.
01 Psychoses with Syphilitic Meningo-Encephalitis (General Paresis).....	68	15	83	8	5	13
02 Psychoses with Other Forms of Syphilis of Central Nervous System.....	4	2	6	.....	.....	.....
021 Meningo-Vascular Type (Cerebral Syphilis).....	2	2	4	.....	.....	.....
022 With Intracranial Gumma.....	.....	.....	.....	.....	.....	.....
023 Other Types.....	2	.....	2	.....	.....	.....
03 Psychoses with Epidemic Encephalitis.....	3	1	4	2	1	3
04 Psychoses with Other Infectious Diseases.....	2	4	6	.....	1	1
041 With Tuberculous Meningitis.....	1	.....	1	.....	.....	.....
042 With Meningitis (Unspecified).....	.....	2	2	.....	.....	.....
043 With Acute Chorea (Sydenham's).....	.....	.....	.....	.....	.....	.....
044 With Other Infectious Disease.....	1	2	3	.....	.....	.....
045 Post-infectious Psychoses.....	.....	.....	.....	.....	.....	.....
05 Alcoholic Psychoses.....	35	8	43	8	1	9
051 Pathological Intoxication.....	1	1	2	2	.....	2
052 Delirium Tremens.....	8	.....	8	2	.....	2
053 Korsakow's Psychosis.....	7	4	11	2	.....	2
054 Acute Hallucinosis.....	16	3	19	.....	1	1
055 Other Types.....	3	.....	3	2	.....	2
06 Psychoses Due to Drugs or Other Exogenous Poisons.....	5	10	15	2	.....	2
061 Due to Metals.....	.....	.....	.....	.....	.....	.....
062 Due to Gases.....	.....	.....	.....	.....	.....	.....
063 Due to Opium and Derivatives.....	.....	1	1	.....	.....	.....
064 Due to Other Drugs.....	5	9	14	2	.....	2
07 Traumatic Psychoses.....	7	1	8	.....	1	1
071 Traumatic Delirium.....	2	.....	2	.....	.....	.....
072 Post-traumatic Personality Disorders.....	1	1	2	.....	.....	.....
073 Post-traumatic Mental Deteriorations.....	2	.....	2	.....	.....	.....
074 Other Types.....	2	.....	2	.....	1	1
08 Psychoses with Cerebral Arteriosclerosis.....	106	89	195	8	14	22
09 Psychoses with Other Disturbances of Circulation.....	7	8	15	2	.....	2
091 With Cerebral Embolism.....	2	1	3	2	.....	2
092 With Cardio-renal Disease.....	3	2	5	.....	.....	.....
093 Other Types.....	2	5	7	.....	.....	.....
10 Psychoses with Convulsive Disorders (Epilepsy).....	16	13	29	9	5	14
101 Epileptic Deterioration.....	4	6	10	3	.....	3
102 Epileptic Clouded States.....	10	6	16	1	4	5
103 Other Epileptic Types.....	2	1	3	5	1	6
11 Senile Psychoses.....	111	149	260	1	7	8
111 Simple Deterioration.....	84	113	197	1	4	5
112 Presbyophrenic Type.....	.....	5	5	.....	.....	.....
113 Delirious and Confused Types.....	15	7	22	.....	.....	.....
114 Depressed and Agitated Types.....	3	8	11	.....	2	2
115 Paranoid Types.....	9	16	25	.....	1	1
12 Involutional Psychoses.....	29	76	105	3	16	19
121 Melancholia.....	21	56	77	.....	11	11
122 Paranoid Types.....	7	18	25	2	4	6
123 Other Types.....	1	2	3	1	1	2
13 Psychoses Due to Other Metabolic, etc., Diseases.....	13	25	38	1	3	4
131 With Diseases of the Endocrine Glands.....	.....	.....	.....	1	.....	1
132 Exhaustion Delirium.....	1	7	8	.....	1	1
133 Alzheimer's Disease.....	4	.....	4	.....	.....	.....
134 With Pellagra.....	.....	.....	.....	.....	.....	.....
135 With Other Somatic Diseases.....	8	18	26	.....	2	2
14 Psychoses Due to New Growth.....	.....	1	1	.....	.....	.....
141 With Intracranial Neoplasms.....	.....	.....	.....	.....	.....	.....
142 With Other Neoplasms.....	.....	1	1	.....	.....	.....
15 Psychoses with Organic Changes of Nervous System.....	9	6	15	2	1	3
151 With Multiple Sclerosis.....	1	.....	1	1	.....	1
152 With Paralysis Agitans.....	1	2	3	.....	.....	.....
153 With Huntington's Chorea.....	2	3	5	.....	1	1
154 With Other Brain or Nervous Diseases.....	5	1	6	1	.....	1

**TABLE No. 17 (Concl'd)**  
**FIRST AND READMISSIONS BY DIAGNOSIS**

	DIAGNOSIS			FIRST ADMISSIONS			READMISSIONS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
16 Psychoneuroses .....	41	78	119				6	10	16
161 Hysteria (Anxiety Hysteria, Conversion Hysteria and Sub-groups).....	4	13	17	2	4	6			
162 Psychasthenia or Compulsive Groups (and Sub-groups).....	4	8	12	.....	2	2			
163 Neurasthenia.....	4	6	10	1	1	2			
164 Hypochondriasis.....	6	10	16	2	.....	2			
165 Reactive Depression (Simple Situational Reaction, Others)	20	24	44	1	.....	1			
166 Anxiety State.....	1	9	10	.....	2	2			
167 Mixed Psychoneurosis.....	2	8	10	.....	1	1			
17 Manic-Depressive Psychoses.....	118	166	284	106	145	251			
171 Manic Type.....	46	75	121	58	85	143			
172 Depressive Type.....	52	56	108	34	41	75			
173 Circular Type.....	.....	3	3	.....	4	4			
174 Mixed Type.....	11	21	32	12	9	21			
175 Perplexed Type.....	1	1	2	.....	.....	.....			
176 Stuporous Type.....	2	.....	2	.....	1	1			
177 Other Types.....	6	10	16	2	5	7			
18 Dementia Praecox (Schizophrenia).....	248	214	462	109	103	212			
181 Simple Type.....	15	4	19	8	1	9			
182 Hebefrenic Type.....	16	17	33	3	9	12			
183 Catatonic Type.....	134	107	241	52	53	105			
184 Paranoid Type.....	60	63	123	34	35	69			
185 Other Types.....	23	23	46	12	5	17			
19 Paranoia and Paranoid Conditions.....	16	18	34	6	9	15			
191 Paranoia.....	.....	1	1	1	1	2			
192 Paranoid Conditions.....	16	17	33	5	8	13			
20 Psychoses with Psychopathic Personality.....	3	1	4	5	.....	5			
21 Psychoses with Mental Deficiency.....	21	21	42	6	5	11			
22 Undiagnosed Psychoses.....	14	16	30	1	3	4			
23 Without Psychoses.....	224	219	443	44	22	66			
231a Epileptics Not Psychotic or Feeble-minded.....	19	19	38	7	1	8			
231b Epileptics Who Are Feeble-minded.....	17	14	31	2	1	3			
231 Alcoholism.....	8	5	13	7	.....	7			
233 Drug Addiction.....	2	.....	2	3	.....	3			
234 Mental Deficiency.....	157	174	331	19	19	38			
234a Idiot.....	28	28	56	2	.....	2			
234b Imbecile.....	65	50	115	8	4	12			
234c Moron.....	49	75	124	8	7	15			
234d Grade Unspecified.....	15	21	36	1	8	9			
235 Disorders of Personality Due to Epidemic Encephalitis.....	3	1	4	.....	1	1			
236 Psychopathic Personality.....	8	1	9	3	.....	3			
236a With Pathological Sexuality.....	2	.....	2	.....	.....	.....			
236b With Pathological Emotionality.....	1	.....	1	1	.....	1			
236c With Asocial or Amoral Trends.....	3	1	4	2	.....	2			
236d Mixed Types.....	2	.....	2	.....	.....	.....			
237 Other Non-psychotic Conditions.....	10	5	15	3	.....	3			
24 Primary Behaviour Disorders.....	5	6	11	4	1	5			
241 Simple Adult Maladjustments.....	4	4	8	4	1	5			
242 Primary Behaviour Disorders in Children.....	1	2	3	.....	.....	.....			
242a Habit Disturbance.....	.....	.....	.....	.....	.....	.....			
242b Conduct Disturbance.....	1	.....	1	.....	.....	.....			
242c Neurotic Traits.....	.....	.....	.....	.....	.....	.....			
25 Without Mental Disorder.....	6	1	7	.....	.....	.....			
TOTALS 1-22.....	876	922	1,798	285	330	615			
TOTALS 23-25.....	235	226	461	48	23	71			
GRAND TOTALS.....	1,111	1,148	2,259	333	353	686			

TABLE No. 18  
FIRST ADMISSIONS BY HOSPITAL AND DIAGNOSIS

DIAGNOSIS	ALL HOSPITALS	BROCKVILLE	COBOURG	FORT WILLIAM	HAMILTON	KINGSTON	LANG- STAFF	LONDON	NEW TORONTO	ORILLIA	PENE- TANG	TORONTO	WHITBY	WOOD- STOCK
01. With Syphilitic Meningo-Encephalitis.....	83	6		3	14	5		10	11			29	5	1
02. With Other Forms of Syphilis.....	6					1		2	1			2		
03. With Epidemic Encephalitis.....	4				1	1		1				1		
04. With Other Infectious Diseases.....	6					4		2				2		
05. Alcoholic Psychoses.....	43	2		4	4	4		5	2			7		1
06a. Due to Opium and Other Drugs.....	9				2	2								
06b. Due to Other Exogenous Toxins.....	6				1	2								
07. Traumatic Psychoses.....	8				2									
08. With Cerebral Arteriosclerosis.....	137	6		4	58	18		29	21			3		1
09. With Other Disturbances of Circulation.....	71	1			2	1		2	2			2		19
10. With Convulsive Disorders (Epilepsy).....	29			9	2	28		44	21		1	53	57	
11. Senile Psychoses.....	241	26		21	21	9		13	11			7	36	
12. Involutional Psychoses.....	104	7		1	22	1		9	5			12	6	
13. Due to Other Metabolic, etc., Diseases.....	58	2		1	2							1		
14. With Organic Changes of Nervous Sys.....	14	1				2		4				3	4	
15. Psychoneuroses.....	95	13		1	1	17		16	9			8	28	2
16. Manic-Depressive Psychoses.....	275	10		3	25	24		52	58		1	35	67	
17. Dementia Praecox (Schizophrenia).....	407	61		26	34	26		60	64		2	31	98	5
18. Paranoia and Paranoid Conditions.....	123	2			89	5		8	4			1	14	
19. With Psychopathic Personality.....	3							1	1			1		
20. With Mental Deficiency.....	33	2		1	1	5		11	8		1	4		1
21. Undiagnosed Psychoses.....	49			2	10			11	5			9	2	
22. Undiagnosed Psychoses.....														
231a. Epileptics Not Psychotic or Feeble-minded.....	41			1		1			2	1			3	34
231b. Epileptics Who Are Feeble-minded.....	31					3			1	8			9	22
232. Alcoholism.....	13													
233. Drug Addiction.....	2				1									
234. Mental Deficiency.....	331	11	64		17	11		12	15	173	5	14	7	2
235. Disorders of Personality.....	3													
236. Psychopathic Personality.....	9	1			1	2		1	1			2	1	
237. Other Non-psychotic Conditions.....	6											6		
24. Primary Behaviour Disorders.....	11	3	1			2			1		1	1	2	1
25. Without Mental Disorder.....	14				6	3			2			1	1	
TOTALS 1-22.....	1,798	139		54	292	148		282	235		5	255	358	30
TOTALS 23-25.....	461	15	65	1	25	23		13	23	182	7	23	24	60
GRAND TOTALS.....	2,259	154	65	55	317	171		295	258	182	12	278	382	90

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 19  
FIRST ADMISSIONS BY MARITAL STATUS AND DIAGNOSIS

DIAGNOSIS	SINGLE		MARRIED		WIDOWED		DIVORCED		SEPARATED		UNCERTAINTED		TOTAL						
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.				
01. With Syphilitic Meningo-Encephalitis.....	20	1	37	9	46	6	2	8	3	1	4	.....	.....	68	15	83			
02. With Other Forms of Syphilis.....	3	1	4	.....	.....	1	1	2	.....	.....	.....	.....	.....	4	2	6			
03. With Epidemic Encephalitis.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	4			
04. With Other Infectious Diseases.....	17	1	18	13	14	3	5	8	2	1	3	.....	.....	35	8	43			
05. Alcoholic Psychoses.....	1	.....	2	4	6	.....	.....	.....	.....	.....	.....	.....	.....	3	4	7			
06a. Due to Other and Other Drugs.....	1	.....	2	5	5	1	.....	1	.....	.....	.....	.....	.....	2	6	8			
06b. Due to Other Exogenous Toxins.....	3	1	4	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	7	1	8			
07. Toxic and Toxic Psychoses.....	17	12	29	61	32	25	44	69	1	1	2	.....	.....	106	89	195			
08. With Cerebral Atrophies.....	3	2	5	3	8	1	1	2	.....	.....	.....	.....	.....	7	8	15			
09. With Other Disturbances of Circulation.....	12	8	20	3	4	7	1	2	.....	.....	.....	.....	.....	16	13	29			
10. With Convulsive Disorders (Epilepsy).....	15	30	45	44	35	47	83	130	1	4	4	.....	.....	111	149	260			
11. Senile Psychoses.....	4	14	18	22	40	71	2	13	15	.....	.....	.....	.....	29	76	105			
12. Involutional Psychoses.....	2	4	6	9	18	27	3	3	2	.....	.....	.....	.....	13	25	38			
13. Due to Other Metabolic, etc., Diseases.....	4	3	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	11	18		
14. Due to New Growth.....	4	3	7	4	3	7	1	.....	.....	.....	.....	.....	.....	9	6	15			
15. With Organic Changes of Nervous System.....	20	26	46	19	43	62	1	6	7	1	3	4	.....	41	78	119			
16. Psychoses.....	43	58	101	68	91	150	4	11	15	2	2	5	7	118	166	284			
17. Manic-Depressive Psychoses.....	184	105	289	51	97	148	2	7	9	2	1	3	.....	248	214	462			
18. Dementia Praecox (Schizophrenia).....	6	12	18	9	6	15	1	3	4	.....	.....	.....	.....	16	18	34			
19. Paranoia and Paranoid Conditions.....	1	1	2	1	1	2	.....	.....	.....	.....	.....	.....	.....	3	3	6			
20. With Psychopathic Personality.....	19	16	35	1	5	6	.....	.....	.....	.....	.....	.....	.....	21	21	42			
21. With Mental Deficiency.....	5	6	11	4	8	12	4	2	6	.....	.....	.....	.....	14	16	30			
22. Undiagnosed Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
231a. Epileptics Not Psychotic or Feeble-minded.....	17	13	30	1	3	4	1	1	2	.....	.....	.....	.....	19	19	38			
231b. Epileptics Who Are Feeble-minded.....	17	12	29	1	1	1	.....	.....	.....	.....	.....	.....	.....	17	14	31			
232. Alcoholism.....	1	.....	.....	6	4	10	2	.....	.....	.....	.....	.....	.....	8	5	13			
233. Drug Addiction.....	155	181	316	2	6	8	.....	.....	.....	.....	.....	.....	.....	157	174	331			
234. Mental Deficiency.....	6	1	7	2	2	2	2	2	5	5	.....	.....	.....	3	1	4			
235. Disorders of Personality.....	2	1	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	1	9			
236. Psychopathic Personality.....	1	2	3	2	2	2	.....	.....	.....	.....	.....	.....	.....	10	5	15			
237. Other Non-psychotic Conditions.....	3	1	4	2	2	8	3	1	4	.....	.....	.....	.....	5	6	11			
24. Primary Depressive Disorders.....	2	.....	2	4	6	.....	.....	.....	.....	.....	.....	.....	.....	6	1	7			
25. Without Mental Disorder.....	.....	.....	.....	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
TOTALS 1-22.....	384	298	682	356	419	775	100	182	282	6	5	11	27	18	45	3	876	922	1,798
TOTALS 23-25.....	204	191	395	26	20	46	4	7	11	.....	.....	.....	.....	8	8	.....	235	226	461
GRAND TOTALS.....	588	489	1,077	382	439	821	104	189	293	7	5	12	27	26	53	3	1,111	1,148	2,259

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 20  
FIRST ADMISSIONS BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP																					
	UNDER 10		10-14		15-19		20-24		25-29		30-34		35-39		40-44							
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.						
01. With Syph. Meningo-Encephalitis.....							1		1	1	2	4	1	5	13	5	18	15	3	18		
02. With Other Forms of Syphilis.....																						
03. With Epidemic Encephalitis.....	1								1	1	2	1	1	1	2	1	1					
04. With Other Infectious Diseases.....																						
05. Alcoholic Psychoses.....									1	1	1	3	2	5	5	1	6	5	2	7		
06a. Due to Opium and Other Drugs.....																						
06b. Due to Other Exogenous Toxins.....																						
07. Traumatic Psychoses.....												2	1	1				1	1	2		
08. With Cerebral Arteriosclerosis.....																						
09. With Other Disturb. of Circulation.....																						
10. With Conv. Disorders (Epilepsy).....							4	4	8	2	2	4	4	4	2	2	4	1	1	1		
11. Senile Psychoses.....																						
12. Involutional Psychoses.....																						
13. Due to Other Metabolic, etc., Dis.....							1	1	4	1	2	2	1	1	1	3	3	2	3	3		
14. Due to New Growth.....																						
15. With Organic Changes of Nerv. Sys.....																						
16. Psychoneuroses.....							6	7	13	5	10	15	3	7	2	1	3	1	7	1		
17. Manic-Depressive Psychoses.....							10	17	27	5	15	20	14	24	4	6	10	4	7	11	18	
18. Dementia Praecox (Schizophrenia).....				2	2	5	5	10	17	27	40	43	83	38	28	66	12	22	34	18	19	
19. Paranoia and Paranoid Conditions.....				1	1	18	15	33	38	27	65	11	12	6	9	15	24	18	42	30	21	
20. With Psychopathic Personality.....							2	1	3	6	9	12	10	22	3	11	14	5	7	12		
21. With Mental Deficiency.....				1	1	1	2	3	7	2	9	2	1	3	3	3	3	3	1	1	2	
22. Undiagnosed Psychoses.....							3	4	7	1	1	3	2	5	2	3	5	1	1	3	4	
231a. Epileptics Not Psychotic or Feeble-minded.....							10	3	13	2	4	6	1	1	1	1	1	1	1	1		
231b. Epileptics Who Are Feeble-minded.....	4	1	5	4	2	6	2	3	5	2	3	5	1	1	1	2	3	5	1	1		
232. Alcoholism.....																						
233. Drug Addiction.....																						
234. Mental Deficiency.....	45	30	75	36	30	66	8	23	31	5	11	16	7	14	7	3	10	5	3	8		
235. Disorders of Personality.....							3	3	3	1	1	1	1	1	2	3	2	1	1	1		
236. Psychopathic Personality.....																						
237. Other Non-psychotic Conditions.....																						
24. Primary Behaviour Disorders.....	1		1				1	1	1	1	1	1	1	1	1	1	1	1	1	1		
25. Without Mental Disorder.....							2	2	2	1	1	1	2	2	1	1	1	2	2	2		
TOTALS 1-22.....	1		1	3	3	6	83	70	153	62	87	149	84	80	164	73	75	148	88	73	161	
TOTALS 23-25.....	50	31	81	41	35	76	25	29	54	11	19	30	13	12	25	12	11	23	9	6	15	
GRAND TOTALS.....	51	31	82	44	38	82	108	99	207	73	106	179	97	92	189	85	86	171	97	79	176	

WITH PSYCHOSES

WITHOUT PSYCHOSES



TABLE No. 20 (Concl'd)  
FIRST ADMISSIONS BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP (CONCL'd)												UNASCERTAINED		TOTAL				
	45-49		50-54		55-59		60-64		65-69		70 AND OVER		M.	F.	M.	F.	M.	F.	T.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.
01. With Syph. Meningo-Encephalitis.	12	1	13	6	1	7	6	3	9	6	6	1	1	1	1	3	3	6	83
02. With Other Forms of Syphilis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
03. With Epidemic Encephalitis.	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
04. With Other Infectious Diseases	5	2	5	3	1	4	9	1	10	2	1	3	.....	.....	.....	.....	.....	.....	2
05. Alcoholic Psychoses	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
06a. Due to Opium and Other Drugs.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
06b. Due to Other Exogenous Toxins.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
07. Traumatic Psychoses.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
08. With Cerebr. J. Arteriosclerosis	2	1	3	1	4	5	4	9	13	13	7	20	1	.....	.....	.....	.....	.....	80
09. With Other Disturb. of Circulation.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
10. With Conv. Disorders (Epilepsy)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
11. Senile Psychoses.	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
12. Involuntary Psychoses	1	18	19	6	25	31	5	9	14	5	7	12	2	3	5	8	12	20	104
13. Due to Other Metabolic, etc., Dis.	3	3	6	5	7	12	6	3	9	3	5	8	3	4	7	2	2	2	27
14. Due to New Growth.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
15. With Organic Changes of Nerv. Sys.	1	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
16. Psychoneuroses	4	5	9	2	3	5	2	2	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
17. Manic-Depressive Psychoses	8	15	23	13	16	29	5	11	16	13	9	22	3	3	10	3	4	7	162
18. Dementia Praecox (Schizophrenia).	8	9	17	11	10	21	3	5	8	2	5	7	3	5	8	2	3	5	275
19. Paranoia and Paranoid Conditions.	8	6	14	1	8	9	3	2	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	218
20. With Psychopathic Personality	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
21. With Mental Deficiency	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
22. Undiagnosed Psychoses	3	1	4	2	2	4	2	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
231a. Epileptics Not Psychotic or Feeble-minded	.....	.....	.....	1	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
231b. Epileptics Who Are Feeble-minded.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
232. Alcoholism	2	1	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
233. Drug Addiction	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
234. Mental Deficiency	2	1	3	2	2	4	1	2	3	3	1	4	1	.....	.....	.....	.....	.....	157
235. Disorders of Personality	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	174
236. Psychopathic Personality	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
237. Other Non-psychotic Conditions.	1	.....	.....	3	1	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
24. Primary Behaviour Disorders	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
25. Without Mental Disorder	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
TOTALS 1-22	59	63	122	56	88	144	56	51	107	55	58	113	64	69	133	157	169	326	1,798
TOTALS 23-25	7	3	10	7	5	12	4	3	7	3	4	7	3	1	4	2	.....	.....	235
GRAND TOTALS	66	66	132	63	93	156	60	54	114	58	62	120	67	70	137	159	169	328	2,259

With Psychosis

Without Psychosis

TABLE No. 21  
FIRST ADMISSIONS BY RACIAL ORIGIN AND DIAGNOSIS

DIAGNOSIS	ENGLISH		IRISH		SCOTCH		FRENCH		GERMAN		HEBREW		ITALIAN		SLAVONIC	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
01. With Syph. Meningo-Encephalitis	18	6	24	7	1	8	8	1	9	3	12	1	1	4	4	4
02. With Other Forms of Syphilis	2	2	3	1	1	1	2	2	2	2	2	1	1	1	1	1
03. With Epidemic Encephalitis	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
04. With Other Infectious Diseases	10	3	11	7	2	9	5	3	8	2	5	1	1	1	1	1
05. Alcoholie Psychoses	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
06a. Due to Opium and Other Drugs	4	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1
06b. Due to Other Exogenous Toxins	4	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1
07. Traumatic Psychoses	53	53	106	24	13	37	14	12	26	4	2	2	4	1	1	4
08. With Cerebral Arteriosclerosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
09. With Other Disturb. of Circulation	1	4	8	2	1	3	1	1	1	1	1	1	1	1	1	1
10. With Conv. Disorders (Epilepsy)	13	10	23	19	31	50	24	20	44	3	7	10	2	4	6	2
11. Senile Psychoses	48	76	124	12	14	18	5	5	2	4	6	2	1	3	4	3
12. Involutional Psychoses	13	11	57	4	14	18	5	5	2	4	6	2	1	3	4	3
13. Due to Other Metabolic, etc., Dis.	7	17	24	1	1	2	1	3	4	1	1	2	1	2	2	1
14. Due to New Growth	5	3	8	1	2	3	1	1	2	3	1	1	1	1	1	3
15. With Organic Changes of Nerv. Sys.	9	19	58	4	9	13	5	6	11	5	6	11	3	3	3	8
16. Psychoneuroses	46	78	124	29	25	45	10	16	26	15	15	30	3	6	9	14
17. Manic-Depressive Psychoses	80	106	180	27	20	47	21	18	39	32	25	37	11	8	19	37
18. Dementia Praecox (Schizophrenia)	9	10	19	2	1	3	2	2	1	1	1	1	1	1	1	1
19. Paranoia and Paranoid Conditions	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
20. With Psychopathic Personality	10	3	13	3	1	4	1	5	6	2	3	5	3	3	3	4
21. With Mental Deficiency	1	5	6	1	1	1	1	2	2	2	2	2	2	2	2	4
22. Undiagnosed Psychoses	11	11	22	1	1	2	1	1	2	3	2	5	1	1	2	2
23a. Epileptics Not Psychotic or Feeble-minded	6	9	15	2	1	3	3	2	3	2	2	4	1	1	2	2
23b. Epileptics Who Are Feeble-minded	3	4	7	2	1	3	1	1	3	1	1	1	1	1	2	2
23c. Alcoholism	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
23d. Drug Addiction	75	69	144	13	19	32	16	19	35	16	23	39	3	4	7	6
23e. Mental Deficiency	2	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1
23f. Disorders of Personality	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
23g. Psychopathic Personality	3	1	4	3	1	4	1	1	1	1	1	1	1	1	1	1
23h. Other Non-psychotic Conditions	2	3	5	1	1	1	1	2	3	1	2	3	1	1	1	1
23i. Primary Behaviour Disorders	4	4	8	1	1	1	1	1	1	1	1	1	1	1	1	1
23j. Without Mental Disorder	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTALS 1-22	337	474	811	125	131	256	94	93	187	81	72	153	22	29	51	28
TOTALS 23-25	109	97	206	22	26	48	23	20	43	23	30	53	3	5	8	5
GRAND TOTALS	446	571	1,017	147	157	304	117	113	230	104	102	206	25	34	59	33

WITH PSYCHOSIS

WITHOUT PSYCHOSIS

TABLE No. 21 (Concl'd)  
FIRST ADMISSIONS BY RACIAL ORIGIN AND DIAGNOSIS

DIAGNOSIS	SCANDINAVIAN		OTHER EUROPEAN RACES		CHINESE AND JAPANESE		OTHER ASIATIC RACES		AMERICAN INDIAN		OTHERS		UNSPECIFIED		TOTAL		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
01. With Syph. Meningo-Encephalitis.	5	1	6	10	1	11	3	1	1	1	2	1	1	1	68	15	83
02. With Other Forms of Syphilis.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2	6
03. With Epidemic Encephalitis.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	4
04. With Other Infectious Diseases.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	4	6
05. Alcoholic Psychoses.	5	5	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35	8	43
06a. Due to Opium and Other Drugs.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	4	7
06b. Due to Other Exogenous Toxins.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	6	8
07. Traumatic Psychoses.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	1	8
08. With Cerebral Arteriosclerosis.	3	3	2	1	3	1	1	.....	.....	.....	.....	.....	.....	.....	106	89	195
09. With Other Disturb. of Circulation.	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	8	15
10. With Conv. Disorders (Epilepsy)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16	13	29
11. Senile Psychoses.	4	1	5	2	2	4	1	.....	.....	.....	.....	.....	.....	.....	111	149	260
12. Involutional Psychoses.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	4
13. Due to Other Metabolic, etc., Dis.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13	25	38
14. Due to New Growth	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15. With Organic Changes of Nerv. Sys.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16. Psychoneuroses.	3	1	4	5	1	6	1	.....	.....	.....	.....	.....	.....	.....	9	6	15
17. Manic-Depressive Psychoses	5	4	9	5	5	10	.....	.....	.....	.....	.....	.....	.....	.....	41	78	119
18. Dementia Praecox (Schizophrenia).	8	5	13	25	10	35	2	1	.....	.....	.....	.....	.....	.....	118	166	284
19. Paranoia and Paranoid Conditions.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	4
20. With Psychopathic Personality	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	7	11
21. With Mental Deficiency	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16	18	34
22. Undiagnosed Psychoses.	1	1	1	3	3	6	1	.....	.....	.....	.....	.....	.....	.....	3	1	4
23a. Epileptics Not Psychotic or Feeble-minded.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23b. Epileptics Who Are Feeble-minded.	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
232. Alcoholism.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
233. Drug Addiction.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
234. Mental Deficiency.	1	.....	1	6	6	12	.....	.....	.....	.....	.....	.....	.....	.....	15	23	38
235. Disorders of Personality	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
236. Psychopathic Personality	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
237. Other Non-psychotic Conditions.	1	.....	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24. Primary Behaviour Disorders.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25. Without Mental Disorder.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS 1-22	35	14	49	65	28	93	9	2	6	9	15	4	4	8	876	922	1798
TOTALS 23-25	3	.....	3	10	11	21	.....	.....	4	4	8	2	3	5	235	226	461
GRAND TOTALS	38	14	52	75	39	114	9	2	10	13	23	6	7	13	1,111	1,148	2,259

WITH PSYCHOSIS

WITHOUT PSYCHOSIS

TABLE No. 22  
FIRST ADMISSIONS BY EDUCATIONAL STATUS AND DIAGNOSIS

DIAGNOSIS	ILLITERATE			READS ONLY			READS AND WRITES			COMMON SCHOOL			HIGH SCHOOL			UNIVERSITY			UNASCERTAINED			TOTAL			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
01. With Syph. Meningo-Encephalitis	1		1				5	2	7	39	10	49	11		11	2	1	3	10	2	12	68	15	83	
02. With Other Forms of Syphilis							2		2	1	2	3							1		1	3	2	6	
03. With Epidemic Encephalitis	1		1						1	1	2	3	1		1	1		1	1		1	3	1	4	
04. With Other Infectious Diseases							3	1	4	26	7	33	1		2				2		2	27	8	42	
05. Alcoholic Psychoses										2	3	4	2		4				1		1	3	4	7	
06a. Due to Opium and Other Drugs										1	3	3										2	0	2	
06b. Due to Other Exogenous Toxins										1	1	2							1		1	2	0	2	
07. Traumatic Psychoses							3		3													1	2	3	
08. With Cerebral Arteriosclerosis	5	4	9	1		1	10	4	14	57	53	110	11	16	27	7	1	8	15	11	26	106	89	195	
09. With Other Disturb. of Circulation	2	1	3				1	2	3	11	6	20	2		4							16	13	29	
10. With Conv. Disorders (Epilepsy)	6	5	11	1	1	2	13	10	23	59	78	137	13	21	34	2	2	4	17	32	49	111	149	260	
11. Senile Psychoses	3	2	5				5	5	10	16	49	65	3	15	18	1		5	1	2	2	20	7	103	
12. Involutional Psychoses	1	1	2				1	3	4	10	12	22		6	6			1	1	1	2	3	25	38	
13. Due to Other Metabolic, etc., Dis.																									
14. Due to New Growth										5	4	9			1			2					9	1	15
15. With Organic Changes of Nerv. Sys.	1	1	2				2	4	6	30	42	72	6	27	33	1	3	4	1	1	2	41	78	119	
16. Psychoneuroses	1	2	3				12	7	19	72	86	158	21	51	82	8	6	14	4	4	8	118	166	284	
17. Manic-Depressive Psychoses	6	4	10	1		1	16	10	26	143	131	274	42	58	100	26	5	31	14	6	20	248	214	462	
18. Dementia Praecox (Schizophrenia)							1	1	1	14	9	23	1	6	7			2				16	18	34	
19. Paranoia and Paranoid Conditions										2	7	24			1			1					2	1	4
20. With Psychopathic Personality	1	4	5				2	8	10	17	7	24			1			1				2	21	21	42
21. With Mental Deficiency	2		2				1		1	6	7	13			1			1	3		3		14	16	30
22. Undiagnosed Psychoses																									
231a. Epileptics Not Psychotic or Feeble-minded	1		1				3	2	5	13	12	25	2	3	5							19	19	38	
231b. Epileptics Who Are Feeble-minded	14	4	18				3	2	5	4	3	7	3	2	5			1				17	14	31	
232. Alcoholism										1	1	2										6	5	13	
233. Drug Addiction										20	21	41			1				1			15	17	32	
234. Mental Deficiency	101	68	169				32	80	112	1	1	2			1				1	3	4	157	174	331	
235. Disorders of Personality	1		1				1	1	2	6	4	10			1			1	1			3	1	4	
236. Psychopathic Personality							1	1	1	7	2	10			2			1	1			8	1	9	
237. Other Non-psychotic Conditions	1	1	2				3	2	5	1	2	3			1							10	5	15	
24. Primary Behaviour Disorders							1		1	3	3	6			1							5	6	11	
25. Without Mental Disorders	1		1				1		1	3	3	6			1			2				6	1	7	
TOTALS 1-22	30	25	55	4	1	5	79	58	137	518	520	1,038	125	227	352	50	29	79	70	62	132	876	922	1,798	
TOTALS 23-25	119	72	191	3	5	8	43	86	129	55	50	105	12	9	21	1	1	2	2	3	5	235	226	461	
GRAND TOTALS	149	97	246	7	6	13	122	144	266	573	570	1,143	137	236	373	51	30	81	72	65	137	1,111	1,148	2,259	

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 23  
ALCOHOLIC HABITS OF FIRST ADMISSIONS BY DIAGNOSIS

DIAGNOSIS	ABSTINENT			TEMPERATE			INTERTEMPERATE			UNASCERTAINED			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. With Syphilitic Meningo-Encephalitis	16	8	24	35	5	40	3	3	3	14	2	16	68	15	83
02. With Other Forms of Syphilis	1	1	2	2	1	3	1	3	1	.....	.....	.....	4	2	6
03. With Epidemic Encephalitis	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	4
04. With Other Infectious Diseases	2	4	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	4	6
05. Alcoholic Psychoses	.....	.....	.....	.....	.....	.....	35	8	43	.....	.....	.....	35	8	43
06a. Due to Opium and Other Drugs	.....	3	3	3	2	2	2	1	2	.....	.....	.....	3	4	7
06b. Due to Other Exogenous Toxins	.....	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	6	8
07. Traumatic Psychoses	4	.....	5	3	.....	.....	.....	.....	.....	.....	.....	.....	7	1	8
08. With Cerebral Arteriosclerosis	57	74	131	35	10	45	7	1	8	7	4	11	106	89	195
09. With Other Disturbances of Circulation	4	6	10	3	1	4	.....	.....	.....	.....	.....	.....	7	8	15
10. With Convulsive Disorders (Epilepsy)	13	9	22	3	2	5	.....	.....	.....	.....	.....	.....	16	13	29
11. Senile Psychoses	61	120	181	37	12	49	5	3	8	8	14	22	111	149	260
12. Involutional Psychoses	14	65	79	15	10	25	1	1	1	.....	.....	.....	29	76	105
13. Due to Other Metabolic, etc., Diseases	10	24	34	2	1	3	.....	.....	.....	.....	.....	.....	13	25	38
14. Due to New Growth	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
15. With Organic Changes of Nervous System	3	6	9	5	1	5	.....	.....	.....	.....	.....	.....	9	6	15
16. Psychoneuroses	16	59	75	22	15	37	3	2	5	.....	.....	.....	41	78	119
17. Manic-Depressive Psychoses	47	122	169	50	31	81	15	4	19	6	9	15	118	166	284
18. Dementia Praecox (Schizophrenia)	106	177	283	85	28	113	36	2	38	21	7	28	248	214	462
19. Paranoia and Paranoid Conditions	7	15	22	7	2	9	2	.....	.....	.....	.....	.....	16	18	34
20. With Psychopathic Personality	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	4
21. With Mental Deficiency	11	18	29	7	2	9	1	.....	.....	.....	.....	.....	21	21	42
22. Undiagnosed Psychoses	5	12	17	3	4	7	.....	.....	.....	6	.....	.....	14	16	30
231a. Epileptics Not Psychotic or Feeble-minded	11	15	26	5	1	6	3	2	5	.....	.....	.....	19	19	38
231b. Epileptics Who Are Feeble-minded	16	14	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	14	31
232. Alcoholism	.....	.....	.....	.....	3	3	8	2	10	.....	.....	.....	8	5	13
233. Drug Addiction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
234. Mental Deficiency	142	152	294	8	7	15	2	2	4	5	13	18	157	174	331
235. Disorders of Personality	2	.....	2	1	1	2	.....	.....	.....	.....	.....	.....	3	1	4
236. Psychopathic Personality	1	.....	1	4	4	4	2	1	3	1	.....	.....	8	1	9
237. Other Non-psychotic Conditions	.....	3	5	7	.....	.....	1	2	3	.....	.....	.....	10	5	15
24. Primary Behaviour Disorders	2	6	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	6	11
25. Without Mental Disorder	1	1	2	2	.....	.....	2	.....	.....	1	.....	.....	6	1	7
TOTALS 1-22	380	730	1,110	317	127	444	113	24	137	66	41	107	876	922	1,798
TOTALS 23-25	177	191	368	29	12	41	19	9	28	10	14	24	235	226	461
GRAND TOTALS	557	921	1,478	346	139	485	132	33	165	76	55	131	1,111	1,148	2,259

WITH PSYCHOSES

WITHOUT PSYCHOSES

**TABLE No. 24**  
**PREVIOUS OCCUPATIONS OF FIRST ADMISSIONS**

PREVIOUS (USUAL) OCCUPATION	MALE	FEMALE	TOTAL
Agriculture .....	148	1	149
Commercial .....	46	12	58
Financial .....	7	2	9
Fishing and Trapping .....	4	.....	4
Logging .....	35	.....	35
Manufacturing .....	76	36	112
Mining .....	19	.....	19
Transportation and Communication .....	42	4	46
Civil Service and Public Administration...	14	2	16
Personal Service .....	25	416	441
Professional .....	32	39	71
Domestic Service.....	3	318	321
Expert Workers .....	67	6	73
Labourers .....	241	1	242
Clerical .....	29	20	49
Retired .....	44	15	59
Students .....	11	7	18
Soldiers .....	28	.....	28
No Occupation .....	224	245	469
Not Given .....	16	24	40
TOTALS—ALL OCCUPATIONS	1,111	1,148	2,259

TABLE No. 25  
DISPOSAL OF FIRST AND READMISSIONS DURING THE YEAR FOR CERTAIN PSYCHOSES  
Disposal as at March 31

DIAGNOSIS	DISCHARGED			DIED			TRANSFERRED			ELOPED AND NOT RETURNED			ON PROBATION			IN BOARDING HOMES			REMAINING IN HOSPITAL			TOTAL ADMISSIONS			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Senile Psychosis.....	9	4	13	57	76	133	3	1	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Psychosis with Cerebral Arteriosclerosis.....	4	7	11	43	26	69	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
General Paresis.....	5	1	6	9	2	11	30	9	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alcoholic Psychosis.....	21	6	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manic-Depressive Psychosis.....	68	62	130	13	13	26	4	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dementia Praecox (Schizophrenia).....	64	34	98	8	11	19	13	4	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All Other Psychoses.....	66	86	152	21	26	47	10	2	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alcoholism without Psychoses.....	8	2	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Others without Psychoses.....	50	21	71	8	6	14	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	295	223	518	159	160	319	61	18	79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
										2	2	167	240	407	8	18	26	742	838	1,58	1,432	1,499	2,931		

TABLE No. 26  
DISCHARGES BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP															
	Under 10		10-11		15-19		20-24		25-29		30-34		35-39		40-41	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
01. With Syphilitic Meningo-Encephalitis																
02. With Other Forms of Syphilis																
03. With Epidemic Encephalitis																
04. With Other Infectious Diseases																
05. Alcoholic Psychoses																
06a. Due to Opium and Other Drugs																
06b. Due to Other Exogenous Toxins																
07. Traumatic Psychoses																
08. With Cerebral Arteriosclerosis																
09. With Other Disturbances of Circulation																
10. With Convulsive Disorders (Epilepsy)																
11. Senile Psychoses																
12. Involutional Psychoses																
13. Due to Other Metabolic, etc., Diseases																
14. Due to New Growth																
15. With Organic Changes of Nervous System																
16. Psychoneuroses																
17. Manic-Depressive Psychoses																
18. Dementia Praecox (Schizophrenia)																
19. Paranoia and Paranoid Conditions																
20. With Psychopathic Personality																
21. With Mental Deficiency																
22. Undiagnosed Psychoses																
231a. Epileptics Not Psychotic or Feeble-minded																
231b. Epileptics Who Are Feeble-minded																
232. Alcoholism																
233. Drug Addiction																
234. Mental Deficiency																
235. Disorders of Personality																
236. Psychopathic Personality																
237. Other Non-psychotic Conditions																
24. Primary Behaviour Disorders																
25. Without Mental Disorder																
TOTALS 1-22																
TOTALS 23-25																
GRAND TOTALS																

WITH PSYCHOSES

WITHOUT PSYCHOSES



TABLE No. 26 (Concl'd)  
DISCHARGES BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP (Concl'd)												TOTAL								
	45-49		50-54		55-59		60-64		65-69		70 AND OVER		UNASCERTAINED		M.	F.	T.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				T.			
01. With Syphilitic Meningo-Encephalitis.....	6	1	7	5	1	6	6	1	7	2	1	3	1	...	1	...	1	46	14	60	
02. With Other Forms of Syphilis.....	1	1	2	1	1	2	1	1	2	...	...	...	...	...	...	...	...	3	1	4	
03. With Epidemic Encephalitis.....	1	1	2	1	1	2	1	1	2	...	...	...	...	...	...	...	...	2	...	2	
04. With Other Infectious Diseases.....	1	1	2	3	4	4	4	2	1	3	2	3	2	...	2	...	...	33	10	43	
05. Alcoholic Psychoses.....	1	1	2	3	4	4	1	1	1	1	1	1	1	...	1	...	...	4	2	6	
06a. Due to Opium and Other Drugs.....	1	1	2	1	1	1	1	1	1	1	1	1	1	...	1	...	...	4	6	10	
06b. Due to Other Exogenous Toxins.....	1	1	2	1	1	1	1	1	1	1	1	1	1	...	1	...	...	4	4	8	
07. Traumatic Psychoses.....	1	1	2	1	1	1	1	1	1	2	1	2	1	...	1	...	...	4	4	8	
08. With Cerebral Arteriosclerosis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	...	1	...	...	20	17	37	
09. With Other Disturbances of Circulation.....	1	1	2	1	1	1	1	1	1	1	1	1	1	...	1	...	...	3	4	7	
10. With Convulsive Disorders (Epilepsy).....	1	1	2	1	1	1	1	1	1	1	1	1	1	...	1	...	...	15	14	29	
11. Senile Psychoses.....	4	15	19	4	29	33	4	13	17	6	4	10	1	...	1	...	...	18	20	36	
12. Involuntary Psychoses.....	1	2	3*	1	1	1	1	1	1	1	1	1	1	...	1	...	...	18	71	89	
13. Due to Other Metabolic, etc., Diseases.....	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	...	...	6	23	29	
14. Due to New Growth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	...	...	...	...	...	
15. With Organic Changes of Nervous System.....	6	13	19	3	5	8	5	5	5	9	9	9	2	...	2	...	...	48	83	131	
16. Psychoneuroses.....	15	14	29	24	27	51	21	30	51	18	16	34	10	...	13	...	...	170	230	420	
17. Manic-Depressive Psychoses.....	16	21	37	13	18	31	10	8	18	6	3	9	4	...	4	...	...	263	204	467	
18. Dementia Praecox (Schizophrenia).....	4	2	6	1	3	4	2	1	3	2	4	6	1	...	2	...	...	19	17	36	
19. Paranoia and Paranoid Conditions.....	4	2	6	1	3	4	2	1	3	1	1	1	1	...	1	...	...	5	1	6	
20. With Psychopathic Personality.....	4	2	6	1	3	4	2	1	3	1	1	1	1	...	1	...	...	27	15	42	
21. With Mental Deficiency.....	1	1	2	1	1	2	1	1	2	1	1	1	1	...	1	...	...	16	6	22	
22. Undiagnosed Psychoses.....	2	1	3	2	1	3	2	1	3	2	1	3	2	...	2	...	...	21	12	33	
231a. Epileptics Not Psychotic or Feeble-minded.....	2	1	3	2	1	3	2	1	3	2	1	3	2	...	2	...	...	20	10	30	
231b. Epileptics Who Are Feeble-minded.....	3	1	4	1	1	2	1	1	2	1	1	2	1	...	1	...	...	28	4	32	
232. Alcoholism.....	3	2	5	6	6	12	3	1	4	1	1	2	2	...	2	...	...	2	2	4	
233. Drug Addiction.....	1	1	2	1	1	2	1	1	2	1	1	1	1	...	1	...	...	92	123	215	
234. Mental Deficiency.....	1	1	2	2	1	3	1	1	2	1	1	1	1	...	1	...	...	7	1	8	
235. Disorders of Personality.....	1	1	2	1	1	2	1	1	2	1	1	1	1	...	1	...	...	10	1	11	
236. Psychopathic Personality.....	1	1	2	1	1	2	1	1	2	1	1	1	1	...	1	...	...	9	4	13	
237. Other Non-psychotic Conditions.....	1	1	2	1	1	2	1	1	2	1	1	1	1	...	1	...	...	23	4	27	
24. Primary Behaviour Disorders.....	1	1	2	1	1	2	1	1	2	1	1	1	1	...	1	...	...	...	...	...	
25. Without Mental Disorder.....	1	1	2	1	1	2	1	1	2	1	1	1	1	...	1	...	...	...	...	...	
TOTALS 1-22.....	64	73	137	63	88	151	53	62	115	49	46	95	32	35	67	29	47	76	2	1	3
TOTALS 23-25.....	8	4	12	19	4	23	9	3	12	3	1	4	3	...	3	...	3	...	1	...	1
GRAND TOTALS.....	72	77	149	82	92	174	62	65	127	52	47	99	35	35	70	32	47	79	3	1	4

WITH PSYCHOSIS

WITHOUT PSYCHOSIS

TABLE No. 27  
DISCHARGES BY CONDITION ON DISCHARGE AND DIAGNOSIS

DIAGNOSIS	FIRST ADMISSIONS												READMISSIONS											
	RECOVERED			IMPROVED			UNIMPROVED			TOTAL			RECOVERED			IMPROVED								
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.						
01. With Syphilitic Meningo-Encephalitis	10	4	14	27	5	32	2	1	3	39	10	49	3	2	5	3	2	5						
02. With Other Forms of Syphilis	1		1	2	1	3				3	1	4												
03. With Epidemic Encephalitis										2		2												
04. With Other Infectious Diseases	3	3	6	9	2	11				29	7	36	4	1	5			3						
05. Alcoholic Psychoses	20	5	25	2	2	4				2	2	4	2		2			3						
06a. Due to Opium and Other Drugs	1	5	6	1	1	2				4	4	8												
06b. Due to Other Exogenous Toxins										1	1	2												
07. Traumatic Psychoses	1	1	2	3	1	4				4	4	8												
08. With Cerebral Arteriosclerosis	1	1	2	10	10	20	5	2	7	16	16	32	1	1	2	4	4	8						
09. With Other Disturbances of Circulation	1	1	2	3	2	5				1	3	4												
10. With Convulsive Disorders (Epilepsy)	3	2	5	5	8	13	2	1	3	10	10	20	3	3	6	1	3	4						
11. Senile Psychoses	3	3	6	10	10	20	1	3	4	11	16	27	1	2	3	2	2	4						
12. Involutional Psychoses	12	30	42	3	26	29				15	59	74	1	2	3	2	10	12						
13. Due to Other Metabolic, etc., Diseases	4	17	21	2	5	7				6	22	28	1	1	2									
14. Due to New Growth																								
15. With Organic Changes of Nervous System																								
16. Psychoneuroses	34	33	67	8	35	43	1	1	2	13	72	115	1	1	2	1	6	7						
17. Manic-Depressive Psychoses	68	88	156	30	60	90	1	3	4	102	151	253	37	70	107	27	28	55						
18. Dementia Praecox (Schizophrenia)	52	31	83	10	107	217	15	7	22	178	147	325	16	13	29	64	39	103						
19. Paranoia and Paranoid Conditions	5	1	6	12	11	23	1	1	2	18	11	29												
20. With Psychopathic Personality	2	1	3	1	1	2				1	2	3	1	1	2	1	2	3						
21. With Mental Deficiency	3	5	8	14	6	20				1	17	12	1	3	4	1	3	4						
22. Undiagnosed Psychoses	8	1	9	6	1	7	1	2	3	15	4	19	1	1	2	1	1	2						
TOTALS 1-22	228	240	468	259	291	550	35	28	63	522	559	1,081	74	91	165	115	103	218						
TOTALS 23-25										178	144	322												
GRAND TOTALS	228	240	468	259	291	550	35	28	63	700	703	1,403	74	91	168	115	103	218						

With Psychosis

TABLE No. 27 (Concl'd)  
DISCHARGES BY CONDITION ON DISCHARGE AND DIAGNOSIS

DIAGNOSIS	READMISSIONS (Concl'd)						TOTAL ADMISSIONS											
	UNIMPROVED			TOTAL			RECOVERED			IMPROVED			UNIMPROVED			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. With Syphilitic Meningo-Encephalitis.....	1	.....	.....	7	4	11	13	6	19	30	7	37	3	1	4	46	14	60
02. With Other Forms of Syphilis.....	.....	.....	.....	.....	.....	.....	1	.....	1	2	1	3	.....	.....	.....	3	1	4
03. With Epidemic Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	3	3	2	1	2	.....	.....	.....	2	1	2
04. With Other Infectious Diseases.....	.....	.....	.....	4	3	7	24	5	20	9	5	14	.....	.....	.....	33	10	43
05. Alcoholic Psychoses.....	.....	.....	.....	2	.....	2	2	2	4	2	.....	2	.....	.....	.....	4	2	6
06a. Due to Opium and Other Drugs.....	.....	.....	.....	.....	.....	.....	4	5	9	.....	.....	1	.....	.....	.....	4	6	10
06b. Due to Other Exogenous Toxins.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
07. Traumatic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	4	1	.....	.....	.....	4	4	8
08. With Cerebral Arteriosclerosis.....	.....	.....	.....	4	5	9	1	5	6	14	10	24	5	2	7	20	17	37
09. With Other Disturbances of Circulation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	2	5	.....	.....	.....	3	4	7
10. With Convulsive Disorders (Epilepsy).....	1	2	.....	5	4	9	6	2	8	6	11	17	3	1	4	15	14	29
11. Senile Psychoses.....	.....	.....	.....	2	4	6	.....	.....	.....	12	12	24	4	5	9	16	20	36
12. Involutional Psychoses.....	.....	.....	.....	3	12	15	13	32	45	.....	35	40	.....	.....	.....	18	11	29
13. Due to Other Metabolic, etc., Diseases.....	.....	.....	.....	.....	.....	.....	4	18	22	2	2	4	.....	.....	.....	6	23	29
14. Due to New Growth.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15. With Organic Changes of Nervous System.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16. Psychoneuroses.....	1	1	.....	5	11	16	38	37	75	9	41	50	.....	.....	.....	48	83	131
17. Manic-Depressive Psychoses.....	4	5	.....	68	99	167	105	158	263	57	88	145	1	5	6	170	250	420
18. Dementia Praecox (Schizophrenia).....	5	10	.....	85	57	142	68	45	115	175	145	350	20	12	32	263	204	467
19. Paranoia and Paranoid Conditions.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	13	.....	.....	.....	.....	.....	.....
20. With Psychopathic Personality.....	.....	.....	.....	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21. With Mental Deficiency.....	.....	.....	.....	10	3	13	7	5	12	20	9	29	.....	.....	.....	27	15	42
22. Undiagnosed Psychoses.....	.....	.....	.....	1	2	3	8	2	10	7	2	9	1	2	3	16	6	22
TOTALS 1-22.....	11	11	22	200	208	408	303	334	637	374	393	767	45	40	85	722	767	1,489
TOTALS 23-25.....	.....	.....	.....	36	18	54	.....	.....	.....	.....	.....	.....	.....	.....	.....	214	162	376
GRAND TOTALS.....	11	11	22	236	226	462	303	334	637	374	393	767	45	40	85	936	929	1,865

WITH PSYCHOSIS

TABLE No. 28  
DISCHARGES BY CONDITION ON DISCHARGE, LENGTH OF STAY IN HOSPITAL AND DIAGNOSIS

DIAGNOSIS	RECOVERED										IMPROVED								
	0-5 MONTHS	6-11 MONTHS	1-2 YEARS	3-4 YEARS	5 YEARS AND OVER	UNANGER-TAINED	TOTAL RECOVERED	0-5 MONTHS			6-11 MONTHS								
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.							
01. With Syphilitic Meningo-Encephalitis	6	4	2	6	2	2	1	1	1	1	13	6	19	14	3	17	7	1	8
02. With Other Forms of Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
03. With Epidemic Encephalitis	3	3	1	1	1	2	1	1	1	1	3	3	29	7	2	9	2	1	3
04. With Other Infectious Diseases	14	3	17	9	1	10	1	1	1	2	23	5	29	7	2	9	2	1	3
05. Alcoholic Psychoses	1	1	3	1	1	1	1	1	1	1	2	2	4	1	1	1	1	1	2
06a. Due to Opium and Other Drugs	4	5	9	1	1	1	1	1	1	1	4	5	9	1	1	1	1	1	2
06b. Due to Other Exogenous Toxins	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	1	1	2
07. Traumatic Psychoses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
08. With Cerebral Arteriosclerosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
09. With Other Disturbances of Circulation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10. With Convulsive Disorders (Epilepsy)	2	2	2	2	2	3	3	2	2	4	6	2	8	2	3	5	4	9	2
11. Senile Psychoses	10	25	35	2	4	6	1	2	3	1	1	1	1	13	32	45	1	20	21
12. Involutional Psychoses	4	15	19	2	2	2	1	1	1	1	1	1	1	4	18	22	1	5	6
13. Due to Other Metabolic, etc., Diseases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14. Due to New Growth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15. With Organic Changes of Nervous System	30	29	59	5	4	9	1	2	3	2	2	4	38	37	75	7	26	33	1
16. Psychoneuroses	63	93	156	17	32	49	18	23	41	4	3	7	105	158	263	28	28	56	12
17. Manic-Depressive Psychoses	45	30	75	9	7	16	8	5	13	4	2	6	68	47	115	73	49	122	35
18. Dementia Praecox (Schizophrenia)	4	2	6	1	1	1	1	1	1	1	1	1	5	2	7	8	5	13	1
19. Paranoia and Paranoid Conditions	2	1	3	1	1	1	1	1	1	1	1	1	3	1	4	1	1	1	1
20. With Psychopathic Personality	4	2	6	1	1	1	1	1	1	1	1	1	3	1	4	1	1	1	1
21. With Mental Deficiency	4	2	6	1	1	1	1	1	1	1	1	1	8	5	12	10	1	1	5
22. Undiagnosed Psychoses	6	1	7	2	1	3	1	1	1	2	1	1	7	8	2	10	5	5	2
TOTALS 1-22	196	219	415	50	58	108	34	35	69	12	10	22	303	334	637	175	154	329	76
TOTALS 23-25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
GRAND TOTALS	196	219	415	50	58	108	34	35	69	11	12	23	303	334	637	175	154	329	76

With Psychoses

TABLE No. 28 (Cont'd)  
DISCHARGES BY CONDITION ON DISCHARGE, LENGTH OF STAY IN HOSPITAL AND DIAGNOSIS

DIAGNOSIS	IMPROVED (CONCL'd)						UNIMPROVED																				
	1-2 YEARS		3-4 YEARS		5 YEARS AND OVER		UNASCERTAINED		TOTAL IMPROVED		0-5 MONTHS		6-11 MONTHS		1-2 YEARS		3-4 YEARS										
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.									
01. With Syphilitic Meningo-Encephalitis.....	4	3	7	2	3	3	...	...	...	...	...	...	...	...	...	1	...	...	...								
02. With Other Forms of Syphilis.....	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
03. With Epidemic Encephalitis.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
04. With Other Infectious Diseases.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
05. Alcoholic Psychoses.....	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
06a. Due to Opium and Other Drugs.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
06b. Due to Other Exogenous Toxins.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
07. Traumatic Psychoses.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
08. With Cerebral Arteriosclerosis.....	4	3	7	1	1	2	...	...	...	...	...	...	...	...	...	2	...	...	...								
09. With Other Disturbances of Circulation.....	1	4	5	1	2	3	...	...	...	...	...	...	...	...	...	1	...	...	...								
10. With Convulsive Disorders (Epilepsy).....	5	5	10	...	...	...	...	...	...	...	...	...	...	...	...	3	3	1	1								
11. Senile Psychoses.....	3	4	7	3	3	1	1	2	...	...	...	...	...	...	...	...	...	...	...								
12. Involutional Psychoses.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
13. Due to Other Metabolic, etc., Diseases.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
14. Due to New Growth.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
15. With Organic Changes of Nervous System.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
16. Psychoneuroses.....	1	5	6	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...								
17. Manic-Depressive Psychoses.....	7	23	30	3	4	7	7	14	...	...	...	...	...	...	...	...	...	...	...								
18. Dementia Praecox (Schizophrenia).....	33	38	71	8	6	14	26	20	40	...	...	...	...	...	...	...	...	...	...								
19. Paranoia and Paranoid Conditions.....	1	5	6	1	1	2	3	1	4	...	...	...	...	...	...	...	...	...	...								
20. With Psychopathic Personality.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
21. With Mental Deficiency.....	4	1	5	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...								
22. Undiagnosed Psychoses.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...								
TOTALS 1-22.....	65	94	159	16	20	36	42	33	75	...	...	...	...	...	...	29	24	53	3	5	8	7	6	13	1	3	4
TOTALS 23-25.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...							
GRAND TOTALS.....	65	94	159	16	20	36	42	33	75	...	...	...	...	...	...	29	24	53	3	5	8	7	6	13	1	3	4

WITH PSYCHOSES

TABLE No. 28 (Concl'd)  
DISCHARGES BY CONDITION ON DISCHARGE, LENGTH OF STAY IN HOSPITAL AND DIAGNOSIS

DIAGNOSIS	UNIMPROVED (CONCL'D)						WITHOUT MENTAL DISORDER						GRAND TOTAL		
	5 YEARS AND OVER		UNASCERTAINED		TOTAL UNIMPROVED		0-5 MONTHS		6 MONTHS AND OVER		TOTAL		M.	F.	T.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
01. With Syphilitic Meningo-Encephalitis.....	2	1	3	.....	.....	3	1	4	.....	.....	.....	46	14	60	
02. With Other Forms of Syphilis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	4	
03. With Epidemic Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2	
04. With Other Infectious Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	
05. Alcoholic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	10	43	
06a. Due to Opium and Other Drugs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2	6	
06b. Due to Other Exogenous Toxins.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	6	10	
07. Traumatic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	8	
08. With Cerebral Arteriosclerosis.....	.....	.....	.....	.....	.....	5	2	7	.....	.....	.....	20	17	37	
09. With Other Disturbances of Circulation.....	.....	.....	.....	.....	.....	3	1	4	.....	.....	.....	3	4	7	
10. With Convulsive Disorders (Epilepsy).....	1	.....	1	.....	.....	3	1	4	.....	.....	.....	15	14	29	
11. Senile Psychoses.....	.....	.....	.....	.....	.....	4	5	9	.....	.....	.....	16	20	36	
12. Involutional Psychoses.....	.....	.....	.....	.....	.....	4	4	8	.....	.....	.....	18	71	89	
13. Due to Other Metabolic, etc., Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	23	29	
14. Due to New Growth.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	
15. With Organic Changes of Nervous System.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
16. Psychoneuroses.....	.....	.....	.....	.....	.....	1	5	6	.....	.....	.....	48	83	131	
17. Manic-Depressive Psychoses.....	.....	.....	.....	.....	.....	8	4	12	.....	.....	.....	170	250	420	
18. Dementia Praecox (Schizophrenia).....	.....	.....	.....	.....	.....	20	12	32	.....	.....	.....	263	204	467	
19. Paranoia and Paranoid Conditions.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	19	17	36	
20. With Psychopathic Personality.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	5	1	6	
21. With Mental Deficiency.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27	15	42	
22. Undiagnosed Psychoses.....	.....	.....	.....	.....	.....	1	2	3	.....	.....	.....	16	6	22	
TOTALS 1-22.....	5	2	7	.....	.....	45	40	85	.....	.....	.....	722	767	1,489	
TOTALS 23-25.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88	28	116	
GRAND TOTALS.....	5	1	6	.....	.....	45	40	85	88	28	116	88	28	116	
									126	133	259	214	162	376	
									126	133	259	214	162	376	
												936	929	1,865	

WITH PSYCHOSES

TABLE No. 29  
CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH	PSYCHOSES									
	GENERAL PARESIS	ALCOHOLIC	WITH CEREBRAL ARTERIO-SCLEROSIS	WITH CONVULSIVE DISORDERS (EPILEPSY)	SENILE	INVOLUTIONAL	PSYCHO-NEUROSIS	MANIC-DEPRESSIVE		
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.		
Infectious and Parasitic Diseases:										
Typhoid and Paratyphoid Fever.....										
Measles.....										
Scarlet Fever.....										
Diphtheria.....					1 1					
Influenza.....										
Dysentery.....			1 1	1 1		1 1				
Tuberculosis of the Respiratory System										
Other Forms of Tuberculosis.....										
1 1			1 1		4 4			1 1		
Syphilis, Infection, Septicæmia										
Parasitic Infections and Parasitic Diseases										
Other Infections and Parasitic Diseases										
Cancer and Other Tumours:										
Cancer and Other Malignant Tumours			2 2	1 1		2 3	1 1	4 8		
Tumours, Non-malignant and Unspecified										
Rheumatic Diseases, Diseases of Nutrition and of Endocrine Glands and Other General Diseases:										
Acute Rheumatic Fever.....										
Chronic Rheumatism and Gout.....			1 1	2				1 2 3		
Diabetes Mellitus, Thyroid and Parathyroid Glands										
Other General Diseases.....					1 1			1 1		
Diseases of the Blood and Blood-forming Organs:										
Anæmia.....					1 1	2				
Leukæmia, Alcockæmia, and Other Diseases of the Blood and Blood-forming Organs										
1 1										
Chronic Poisonings and Intoxications:										
Alcoholism (Acute or Chronic).....										
Other Chronic Poisonings.....										
Diseases of the Nervous System and Organs of Special Sense:										
Simple Menstrual.....										
Progressive Locomotor Ataxia (Tabes Dorsalis)			7 11 18	1 1	7 12 19			9 3 12		
Cerebral Haemorrhage, Cerebral Embolism and Thrombosis	1 1									
General Paralysis of the Insane	8 22									
Dementia Precox and Other Psychoses	3 3									
Epilepsy.....				5 2 7				2 3 5		
Other Diseases of the Nervous System				1 1						
Diseases of the Eye, Ear and Their Annexa										
Diseases of the Circulatory System:										
1 1										
Acute and Chronic Endocarditis, Valvular Diseases			25 30 55	2 1 3	37 61 98	2 10 12		7 7 14		
Diseases of the Myocardium.....	9									

TABLE No. 29 (Cont'd)  
CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH	PSYCHOSES (Cont'd)														
	DEMENTIA PRAECOX (SCHIZOPHRENIA)		PARANOLIA AND PARANOID CONDITIONS		WITH PSYCHO- PATHIC PERSONALITY		WITH MENTAL DEFICIENCY		ALL OTHER		WITHOUT PSYCHOSES		TOTAL		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.
Infectious and Parasitic Diseases:															
Typhoid and Paratyphoid Fever.....															
Measles.....															
Scarlet Fever.....															
Diphtheria.....															
Influenza.....															
Dysentery.....	21	10	31												
Tuberculosis of the Respiratory System	3	1	4												
Other Forms of Tuberculosis.....															
Syphilis.....	3		3				1	1	1						
Parvulot Infection, Septicaemia															
Other Infectious and Parasitic Diseases															
Cancer and Other Tumours:															
Cancer and Other Malignant Tumours	3	14	17							2	2				
Tumours, Non-malignant and Unspecified															
Rheumatic Diseases, Diseases of Nutrition and of Endocrine Glands															
and Other General Diseases:															
Acute Rheumatic Fever.....															
Chronic Rheumatism and Gout	1	1	2												
Diabetes Mellitus.....															
Diseases of the Thyroid and Parathyroid Glands															
Other General Diseases															
Diseases of the Blood and Blood-forming Organs:															
Anaemia.....	4	1	5												
Leukaemias, Aleukaemias, and Other Diseases of the Blood and															
Blood-forming Organs	1		1												
Chronic Poisonings and Intoxications:															
Alcoholism (Acute or Chronic)															
Other Chronic Poisonings															
Diseases of the Nervous System and Organs of Special Sense:															
Simple Meningitis.....	1		1												
Progressive Locomotor Ataxia (Tabes Dorsalis)															
Cerebral Haemorrhage, Cerebral Embolism and Thrombosis	7	7	14												
General Paralysis of the Insane															
Dementia Praecox and Other Psychoses	2	2	4												
Epilepsy.....															
Other Diseases of the Nervous System.....															
Diseases of the Eye, Ear and Their Annexa:															
Pericarditis.....	3	2	5												
Acute and Chronic Endocarditis, Valvular Diseases.....	26	29	55	1	2	3									
Diseases of the Myocardium															



TABLE No. 29 (Cont'd)  
CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH	PSYCHOSES																							
	GENERAL PARESIS	ALCOHOLIC		WITH CEREBRAL ARTERIO-SCLEROSIS		WITH CONVULSIVE DISORDERS (EPILEPSY)		SENILE	INVOLUTIONAL	PSYCHO-NEUROSIS	MANIC-DEPRESSIVE													
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.													
Diseases of the Circulatory System (Cont'd):																								
Diseases of the Coronary Arteries and Angina Pectoris	2	2	3	6	9	1	1	2	3	4	7	1	1											
Other Diseases of the Heart	1	1	1	1	1	1	1	2	2	1	2	1	1											
Arteriosclerosis	.....	.....	7	4	11	.....	.....	.....	6	1	7	.....	.....											
Other Diseases of the Circulatory System	.....	.....	2	1	3	.....	.....	.....	1	1	1	.....	.....											
Diseases of the Respiratory System:																								
Bronchitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Pneumonia (Lobar, Broncho and Unspecified)	9	1	10	1	1	22	9	31	5	1	6	1	1											
Other Diseases of the Respiratory System (Not Tuberculosis)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Digestive System:	1	1	.....	.....	.....	.....	.....	.....	2	.....	2	.....	.....											
Ulcer of the Stomach or Duodenum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diarrhoea and Enteritis	2	2	.....	.....	.....	1	.....	.....	1	1	2	.....	.....											
Appendicitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Hernia, Intestinal Obstruction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Cirrhosis of the Liver	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Other Diseases of the Liver and Biliary Passages including Biliary Calculi	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Digestive System	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Genito-Urinary System:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Nephritis	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Other Diseases of the Kidneys and Ureters	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Calculi of the Urinary Passages	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Bladder (Tumours Excepted)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Urethra, Urinary Abscess, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Prostate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Genital Organs, Not Specified as Venereal:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of Pregnancy, Childbirth and the Puerperal State:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Puerperal Septicæmia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Other Diseases of Pregnancy, Childbirth and Puerperal State	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Skin and Cellular Tissue	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Diseases of the Bones and Organs of Locomotion	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Congenital Malformations	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Senility	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Violent or Accidental Death:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Suicide	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Homicide	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Accidental Drowning	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Accidental Burns	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Other Accidents	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
Ill-defined Causes of Death	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....											
GRAND TOTALS	42	12	54	2	1	3	74	71	145	18	8	26	98	145	243	6	25	31	2	1	3	41	39	80

TABLE No. 29 (Concl'd)  
CAUSE OF DEATH BY DIAGNOSIS

CAUSE OF DEATH	PSYCHOSSES (Concl'd)												WITHOUT PSYCHOSSES AND PRIMARY BEHAVIOUR DISORDERS		TOTAL						
	DEMENTIA PRÆCOX (SCHIZOPHRENIA)		PARANOID AND PARANOID CONDITIONS		WITH PSYCHOPATHIC PERSONALITY		WITH MENTAL DEFICIENCY		ALL OTHER		M. F. T.		M. F. T.		M. F. T.						
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
Diseases of the Circulatory System (Concl'd):																					
Diseases of the Coronary Arteries and Angina Pectoris	6	4	10	1	1	2	1	1	1	3	1	4	8	9	17	11	12	23	29	20	49
Other Diseases of the Heart	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	6
Arteriosclerosis	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	6	21
Other Diseases of the Circulatory System	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	7
Diseases of the Respiratory System:																					
Pneumonia (Lobar, Broncho and Unspecified)	13	17	30	1	1	1	1	1	1	3	1	4	8	9	17	11	12	23	115	118	233
Pleurisy	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	8
Other Diseases of the Respiratory System (Not Tuberculosis)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7	12
Diseases of the Digestive System:																					
Ulcer of the Stomach or Duodenum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	7
Diarrhoea and Enteritis	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4
Hernia, Intestinal Obstruction	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Grrhosis of the Liver	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Other Diseases of the Liver and Biliary Passages including Biliary Calculi	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Other Diseases of the Digestive System	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	8
Diseases of the Genito-Urinary System:																					
Nephritis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Other Diseases of the Kidneys and Ureters	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Calculi of the Urinary Passages	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diseases of the Bladder (Tumours Excepted)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diseases of the Urethra, Urinary Abscess, etc.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diseases of the Prostate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diseases of the Genital Organs, Not Specified as Venereal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diseases of Pregnancy, Childbirth and the Puerperal State:																					
Puerperal Septicæmia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Other Diseases of Pregnancy, Childbirth and Puerperal State	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diseases of the Skin and Cellular Tissue	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diseases of the Bones and Organs of Locomotion	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Congenital Malformations	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Senility	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Violent or Accidental Death:																					
Suicide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Homicide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Accidental Drowning	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Accidental Burns	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Other Accidents	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Ill-defined Causes of Death	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
GRAND TOTALS	101	105	206	3	3	6	2	2	2	7	6	13	33	37	70	57	58	115	486	511	997

TABLE No. 30  
DEATHS BY AGE, SEX AND DIAGNOSIS

DIAGNOSIS	AGE GROUP																
	UNDER 10		10-14		15-19		20-24		25-29		30-34		35-39		40-44		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
01. With Syphilitic Meningo-Encephalitis																	
02. With Other Forms of Syphilis																	
03. With Epidemic Encephalitis																	
04. With Other Infectious Diseases																	
05. Alcoholic Psychoses																	
06a. Due to Opium and Other Drugs																	
06b. Due to Other Exogenous Toxins																	
07. Traumatic Psychoses																	
08. With Cerebral Arteriosclerosis																	
09. With Other Disturbances of Circulation																	
10. With Convulsive Disorders (Epilepsy)																	
11. Senile Psychoses																	
12. Involutional Psychoses																	
13. Due to Other Metabolic, etc., Diseases																	
14. Due to New Growth																	
15. With Organic Changes of Nervous System																	
16. Psychoneuroses																	
17. Manic-Depressive Psychoses																	
18. Dementia Praecox (Schizophrenia)																	
19. Paranoia and Paranoid Conditions																	
20. With Psychopathic Personality																	
21. With Mental Deficiency																	
22. Undiagnosed Psychoses																	
23a. Epileptics Not Psychotic or Feeble-minded																	
23b. Epileptics Who Are Feeble-minded																	
23c. Alcoholism																	
23d. Drug Addiction																	
23e. Mental Deficiency																	
23f. Disorders of Personality																	
23g. Psychopathic Personality																	
23h. Other Non-psychotic Conditions																	
24. Primary Behaviour Disorders																	
25. Without Mental Disorders																	
TOTALS 1-22																	
TOTALS 23-25																	
GRAND TOTALS																	

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 30 (Concl'd)  
DEATHS BY AGE, SEX AND DIAGNOSIS

DIAGNOSIS	AGE GROUP (Concl'd)												UNASCERTAINED			TOTAL						
	45-49		50-54		55-59		60-64		65-69		70 AND OVER		M.	F.	T.	M.	F.	T.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
01. With Syphilitic Meningo-Encephalitis																						
02. With Other Forms of Syphilis																						
03. With Epidemic Encephalitis																						
04. With Other Infectious Diseases																						
05. Alcoholic Psychoses																						
06a. Due to Opium and Other Drugs																						
06b. Due to Other Exogenous Toxins																						
07. Traumatic Psychoses																						
08. With Cerebral Arteriosclerosis																						
09. With Other Disturbances of Circulation																						
10. With Convulsive Disorders (Epilepsy)																						
11. Senile Psychoses																						
12. Involutional Psychoses																						
13. Due to Other Metabolic, etc., Diseases																						
14. Due to New Growth																						
15. With Organic Changes of Nervous System																						
16. Psychoneuroses																						
17. Manic-Depressive Psychoses																						
18. Dementia Praecox (Schizophrenia)																						
19. Paranoia and Paranoid Conditions																						
20. With Psychopathic Personality																						
21. With Mental Deficiency																						
22. Undiagnosed Psychoses																						
231a. Epileptics Not Psychotic or Feeble-minded																						
231b. Epileptics Who Are Feeble-minded																						
232. Alcoholism																						
233. Drug Addiction																						
234. Mental Deficiency																						
235. Disorders of Personality																						
236. Psychopathic Personality																						
237. Other Non-psychotic Conditions																						
24. Primary Behaviour Disorders																						
25. Without Mental Disorders																						
TOTALS 1-22	24	16	40	29	24	53	38	50	88	45	51	96	58	63	127	170	202	372	3	429	453	882
TOTALS 23-25	3	3	3	1	1	1	2	3	5	2	3	5	1	5	6	2	7	9		57	58	115
GRAND TOTALS	27	16	43	29	25	54	40	53	93	47	54	101	59	74	133	172	209	381	3	486	511	997

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 31  
DEATHS BY TOTAL DURATION OF HOSPITAL LIFE AND DIAGNOSIS

DIAGNOSIS	TOTAL DURATION OF HOSPITAL LIFE																								
	LESS THAN 1 MONTH	1-3 MONTHS	4-7 MONTHS	8-11 MONTHS	1-2 YEARS	3-4 YEARS	5-6 YEARS	7-8 YEARS																	
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.																	
01. With Syphilitic Meningo-Encephalitis.....	4	7	4	11	6	5	11	3	1	4	3	1	4	3	1	4	5	5	3						
02. With Other Forms of Syphilis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
03. With Epidemic Encephalitis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
04. With Other Infectious Diseases.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
05. Alcoholic Psychoses.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
06a. Due to Opium and Other Drugs.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
06b. Due to Other Exogenous Toxins.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
07. Traumatic Psychoses.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
08. With Cerebral Arteriosclerosis.....	30	13	43	9	9	18	2	9	11	5	3	8	14	21	35	2	8	10	1	3	4	2	4	6	
09. With Other Disturbances of Circulation.....	1	1	3	4	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10. With Convulsive Disorders (Epilepsy).....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11. Senile Psychoses.....	34	33	67	19	30	49	11	13	24	5	15	20	20	25	45	3	15	18	4	4	8	3	2	1	3
12. Involutional Psychoses.....	2	4	6	2	2	1	4	5	2	2	2	2	2	4	6	3	3	3	3	3	3	3	3	3	3
13. Due to Other Metabolic, etc., Diseases.....	4	6	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
14. Due to New Growth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15. With Organic Changes of Nervous System.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16. Psychoneuroses.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
17. Manic-Depressive Psychoses.....	2	5	7	3	3	6	3	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
18. Dementia Praecox (Schizophrenia).....	3	1	4	5	5	1	4	5	4	3	7	11	7	18	7	4	11	4	6	10	6	12	18	6	
19. Paranoia and Paranoid Conditions.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20. With Psychopathic Personality.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
21. With Mental Deficiency.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22. Undiagnosed Psychoses.....	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
23a. Epileptics Not Psychotic or Feeble-minded.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23b. Epileptics Who Are Feeble-minded.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23c. Alcoholism.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23d. Drug Addiction.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23e. Mental Deficiency.....	2	2	3	2	5	7	1	8	4	4	4	4	4	3	7	3	6	9	3	2	5	1	1	2	
23f. Disorders of Personality.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23g. Psychopathic Personality.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23h. Other Non-psychotic Conditions.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24. Primary Behaviour Disorders.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25. Without Mental Disorder.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TOTALS 1-22.....	86	67	153	46	61	107	29	41	70	19	25	44	71	66	137	22	38	60	25	22	47	19	25	44	
TOTALS 23-25.....	2	2	2	5	2	7	9	2	11	5	5	5	8	5	13	4	6	10	5	4	9	4	1	5	
GRAND TOTALS.....	88	67	155	51	63	114	38	43	81	19	30	49	79	71	150	26	44	70	30	26	56	23	26	49	

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 31 (Concl'd)  
DEATHS BY TOTAL DURATION OF HOSPITAL LIFE AND DIAGNOSIS

DIAGNOSIS	TOTAL DURATION OF HOSPITAL LIFE (Concl'd)												TOTAL							
	9-10 YEARS		11-12 YEARS		13-14 YEARS		15-19 YEARS		20 YEARS AND OVER		UNASCERTAINED									
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		M.	F.	T.				
01. With Syphilis Meningo-Encephalitis																				
02. With Other Forms of Syphilis																				
03. With Epidemic Encephalitis																				
04. With Other Infectious Diseases																				
05. Alcoholic Psychoses																				
06a. Due to Opium and Other Drugs																				
06b. Due to Other Exogenous Toxins																				
07. Traumatic Psychoses																				
08. With Cerebral Arteriosclerosis																				
09. With Other Disturbances of Circulation																				
10. With Convulsive Disorders (Epilepsy)																				
11. Senile Psychoses																				
12. Involutional Psychoses																				
13. Due to Other Metabolic, etc., Diseases																				
14. Due to New Growth																				
15. With Organic Changes of Nervous System																				
16. Psychonuroses																				
17. Manic-Depressive Psychoses																				
18. Dementia Praecox (Schizophrenia)																				
19. Paranoia and Paranoid Conditions																				
20. With Psychopathic Personality																				
21. With Mental Deficiency																				
22. Undiagnosed Psychoses																				
231a. Epileptics Not Psychotic or Feeble-minded																				
231b. Epileptics Who Are Feeble-minded																				
232. Alcoholism																				
233. Drug Addiction																				
234. Mental Deficiency																				
235. Disorders of Personality																				
236. Psychopathic Personality																				
237. Other Non-psychotic Conditions																				
24. Primary Behaviour Disorders																				
25. Without Mental Disorder																				
TOTALS 1-22	14	19	33	17	7	24	8	9	17	20	30	50	49	46	95	1	1	429	453	882
TOTALS 23-25	5	5	10	5	3	8	1	4	5	2	6	8	7	15	22			57	58	115
GRAND TOTALS	19	24	43	22	10	32	9	13	22	22	36	58	56	61	117	1	1	486	511	997

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE No. 32  
GENERAL STATISTICS—Year Ending March 31, 1943

HOSPITAL	DATE HOSPITAL OPENED	ACREAGE		ACRES IN FRUIT AND VEGETABLES	ACRES IN CHAIN	ACRES IN BUILDINGS AND GROUNDS	ACRES IN BUSH OR NOT CULTIVATED
		OWNED	RENTED				
Brockville.....	1894	569	.....	40	369	35	125
Cobourg.....	1901	12	.....	4	.....	8	.....
Fort William.....	1936	1,250	.....	15	475	25	735
Hamilton.....	1876	525	.....	112	339	74	.....
Kingston.....	1854	258	175	30	337	66	.....
Langstaff.....	1939	175	990	179	865	25	96
London.....	1870	505	.....	197	160	110	38
New Toronto.....	1890	136	.....	60	5	65	6
Orillia.....	1876	500	120	98	220	100	202
Penetang.....	1904	383	.....	78	31	25	249
Toronto.....	1846	20	.....	3	.....	17	.....
Whitby.....	1920	640	.....	125	365	150	.....
Woodstock.....	1906	354	.....	29	195	90	40
ALL HOSPITALS.....	.....	5,327	1,285	970	3,361	790	1,491

TABLE No. 33  
CLASSIFICATION OF STAFF BY HOSPITAL—Year Ending March 31, 1943

HOSPITAL	TOTAL STAFF	ST. PERENNENT	PHYSICIANS (NOT ON WARD DUTY)	PHYSICIANS (ON WARD DUTY)	MEDICAL CONSULTANTS	PSYCHOLOGISTS AND PSYCHOMETRISTS	PATHOLOGISTS	OCCUPATIONAL THERAPISTS	DENTISTS	DIETITIANS	TEACHERS	INSTRUCTORS	SOCIAL SERVICE WORKERS	SUPERINTENDENT OF NURSES	GRADUATE NURSES (NOT ON WARD DUTY)	GRADUATE NURSES (ON WARD DUTY)	NURSES-IN-TRAINING (NOT ON WARD DUTY)	NURSES-IN-TRAINING (ON WARD DUTY)
Brockville	227	1	1	3	1	1	.....	2	1	1	.....	2	1	1	6	44	18	18
Cobourg	65	1	.....	1	.....	.....	.....	.....	1	.....	.....	.....	1	1	1	31	.....	.....
Fort William	27	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1	.....	.....
Hamilton	302	1	1	5	2	1	1	4	1	1	.....	1	1	1	3	53	.....	53
Kingston	219	1	2	3	1	1	1	4	1	1	.....	1	1	1	4	46	.....	16
Langstaff	77	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
London	341	1	1	5	2	1	1	4	1	1	.....	.....	.....	1	5	66	1	53
New Toronto	246	1	1	5	4	.....	.....	4	1	1	.....	1	1	1	6	41	23	29
Orillia	258	1	.....	3	.....	1	.....	.....	1	2	12	2	1	1	1	23	.....	20
Penetang	125	1	.....	1	.....	.....	.....	1	1	.....	1	.....	.....	1	.....	9	.....	.....
Toronto	229	1	.....	5	4	.....	.....	5	1	1	.....	.....	.....	1	2	77	.....	.....
Whitby	292	1	1	6	.....	.....	.....	2	1	1	.....	.....	.....	1	1	66	9	13
Woodstock	280	1	1	6	.....	.....	3	3	1	1	.....	.....	.....	2	3	60	.....	.....
TOTALS	2,688	13	8	43	14	5	6	29	13	10	13	7	6	13	35	517	51	202



TABLE No. 33 (Concl'd)  
CLASSIFICATION OF STAFF BY HOSPITAL—Year Ending March 31, 1943

HOSPITAL	Nurse Attendants (Not on Ward Duty)	Nurse Attendants (on Ward Duty)	Chief Attendant	Attendants (Not on Ward Duty)	Attendants (on Ward Duty)	Steward, Stock-keeper and Store Attendants	Clerical and Staff		Kitchen and Dining Room Help		Laundry Help		Other Domestic Help	Farmers, Gardeners and Assistants	Engineers and Other Mech. Help	Other Male Help	Other Female Help
							M.	F.	M.	F.	M.	F.					
Brockville.....	.....	.....	1	1	62	3	2	7	2	2	6	1	4	8	17	4	.....
Cobourg.....	.....	2	.....	1	.....	2	.....	3	1	3	.....	2	4	1	7	2	.....
Fort William.....	.....	.....	1	2	8	1	.....	1	1	3	.....	.....	.....	4	1	.....	.....
Hamilton.....	.....	5	1	11	82	3	2	7	3	9	2	6	1	15	21	2	3
Kingston.....	.....	2	1	9	65	3	1	6	6	2	1	4	7	5	20	2	1
Langstaff.....	.....	.....	1	1	41	2	1	1	2	2	1	.....	.....	14	9	.....	.....
London.....	2	13	1	2	84	3	.....	12	4	20	3	4	9	12	20	3	6
New Toronto.....	.....	.....	1	1	57	3	2	10	3	13	2	6	1	6	17	2	3
Orillia.....	5	25	1	4	69	4	3	11	10	13	2	5	1	7	21	5	4
Penetang.....	.....	14	1	.....	58	2	.....	2	3	5	1	3	1	6	7	5	2
Toronto.....	2	14	1	.....	59	3	1	5	4	4	2	7	5	1	10	12	2
Whitby.....	.....	17	1	7	79	4	3	9	9	9	2	6	4	13	22	2	.....
Woodsstock.....	3	28	1	8	83	3	1	12	7	21	3	4	1	6	12	5	1
TOTALS.....	12	120	12	47	747	36	16	86	55	110	21	51	42	98	184	44	22

TABLE No. 34—EXPENDITURE REPORTED BY ONTARIO HOSPITALS—April 1, 1942, to March 31, 1943

HOSPITALS:	ALL HOSPITALS	BROOKVILLE	CORNBURG	FORT WILLIAM	HAMILTON	KINGSTON	LANCASTER
Total Days' Stay	5,372,776	422,070	167,513	32,892	554,135	130,872	125,560
Daily Average Population	14,711	1,158	459	90	1,518	1,180	344
Medicines*	\$105,337.16	\$ 6,013.47	\$ 2,571.11	\$ 920.18	\$ 13,254.20	\$ 6,941.06	\$ 2,709.38
Provisions	334,892.48	76,489.05	28,024.32	8,010.08	99,319.37	79,316.31	30,173.77
Boarding Out	136,271.77	9,473.52	679.57	5,181.59	56,457.35	17,404.62	9,234.28
Fuel, Light and Water	154,801.87	33,292.253	19,843.73	1,312.65	54,534.45	41,951.37	1,608.39
Clothing	112,998.62	8,292.33	4,877.72	1,370.35	13,234.17	9,546.10	1,893.82
Laundry and Cleaning	87,099.16	5,627.92	3,720.24	1,470.32	8,038.17	7,925.69	696.36
Furniture and Furnishing	109,381.59	8,420.91	2,933.04	1,705.01	16,939.88	12,921.07	1,619.05
Office Expense	21,711.82	1,310.00	868.08	519.19	9,768.29	1,735.01	3,844.26
Allowances†	158,908.60	13,478.25	358.81	9,389.76	22,484.19	13,641.73	3,1293.48
Feed, Fodder and Livestock	199,252.46	14,907.88	2,131.30	7,021.30	30,188.59	12,610.43	31,293.48
Farm Expenses	62,227.79	3,531.71	368.21	1,702.20	11,589.59	5,085.48	9,854.58
Contingencies	60,865.59	4,018.07	2,033.78	1,551.06	7,461.29	3,126.25	10,563.82
Salaries	2,986,183.53	247,211.46	87,129.66	34,377.15	297,263.32	260,889.07	82,523.22
TOTAL GROSS	\$5,450,492.44	\$495,146.87	\$154,743.27	\$ 63,471.52	\$575,259.22	\$ 157,974.87	\$188,013.41
Less Recoveries‡	1,951,591.19	149,887.86	251,116.69	31,893.86	298,875.18	111,400.36	99,919.75
TOTAL NET	\$3,598,341.25	\$285,259.01	\$129,626.58	\$ 31,577.66	\$301,378.04	\$ 84,567.91	\$ 88,093.66
Repairs to Building Expense	145,966.45	4,666.82	2,069.20	1,192.78	30,821.06	10,280.05	8,843.76
TOTALS	\$3,654,307.73	\$289,925.83	\$131,721.78	\$ 33,779.44	\$361,199.10	\$156,847.96	\$ 96,941.42

HOSPITALS:	LONDON	NEW TORONTO	ORILLIA	PENETANG	TORONTO	WHIPPY	WOODSTOCK
Total Days' Stay	594,269	538,424	762,126	227,833	455,680	626,141	434,661
Daily Average Population	1,628	1,475	2,088	646	1,249	1,715	1,191
Medicines*	\$ 11,632.72	\$ 8,618.92	\$ 8,544.99	\$ 5,389.17	\$ 8,896.49	\$ 12,137.01	\$ 17,407.86
Provisions	98,917.81	64,808.10	113,665.84	44,956.37	86,680.51	107,395.06	102,392.86
Boarding Out	21,148.29	18,628.15	28,358.26	6,583.59	7,881.07	63,779.25	739.31
Fuel, Light and Water	47,570.44	29,666.11	47,514.55	23,255.86	28,473.71	63,163.42	46,343.33
Clothing	16,776.67	12,859.22	31,065.66	7,383.66	10,549.28	12,644.51	9,687.76
Laundry and Cleaning	11,652.87	7,094.69	10,366.98	3,020.18	7,391.10	11,068.33	9,190.85
Furniture and Furnishing	16,518.38	8,919.55	20,691.36	3,392.16	13,282.42	10,559.33	8,370.36
Office Expense	2,258.59	1,887.82	2,013.52	950.57	2,569.42	2,089.43	3,118.01
Allowances†	15,525.59	12,117.30	17,221.05	12,304.07	12,915.27	25,069.62	6,103.68
Feed, Fodder and Livestock	25,479.24	9,445.00	23,669.99	4,416.37	20,370.02	11,365.06	2,283.68
Farm Expenses	7,936.49	3,181.82	7,193.29	3,070.96	3,745.37	11,222.68	5,851.48
Contingencies	5,730.25	3,601.09	5,423.22	1,747.08	3,126.25	5,871.30	3,126.25
Salaries	337,411.51	263,185.84	275,892.07	148,650.92	333,320.91	333,727.71	339,576.69
TOTAL GROSS	\$638,691.85	\$414,043.61	\$591,620.78	\$273,021.96	\$440,975.25	\$ 637,597.67	\$362,267.16
Less Recoveries‡	188,126.11	158,164.91	188,126.11	71,791.08	100,779.98	351,378.69	188,957.16
TOTAL NET	\$425,615.42	\$255,917.50	\$403,494.67	\$201,230.88	\$339,285.27	\$286,219.03	\$173,309.12
Repairs to Building Expense	15,288.60	9,043.52	7,999.39	2,816.26	6,234.73	11,297.61	8,141.70
TOTALS	\$440,904.02	\$264,961.02	\$419,255.26	\$204,050.14	\$345,517.00	\$297,456.54	\$185,157.42

\*Medicines include tobacco. †Allowances include employees' meals, employees' uniforms and other employees' allowances.

‡Recoveries include farm recovery, miscellaneous receipts, perquisites and patients' maintenance.

TABLE No. 35  
COST PER PATIENT PER DAY BY HOSPITAL

ITEMS	TOTAL	BROCK-VILLE	COBOURG	FORT WILLIAM	HAMILTON	KINGSTON	LANG-STAFF	LONDON	NEW TORONTO	ORILLIA	PENETANG	TORONTO	WHITBY	WOOD-STOCK
	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS	CENTS
Medicines*	1.96	1.42	1.54	2.80	2.39	1.62	2.16	1.96	1.85	1.12	2.36	1.95	1.99	4.00
Provisions and Boarding Out	19.94	20.34	17.07	24.35	17.93	17.03	24.03	20.21	20.42	18.64	22.61	22.48	20.66	23.98
Boarded Out Patients	2.54	2.25	.41	.....	.89	3.65	.....	3.60	4.53	3.72	2.90	1.73	3.48	.17
Fuel, Light and Water	8.46	7.87	11.84	15.75	10.21	10.43	7.36	7.97	8.27	6.24	10.20	6.25	10.10	10.66
Clothing	3.84	1.96	2.92	3.99	2.42	2.21	3.67	2.83	3.14	4.07	3.24	2.32	2.03	2.19
Laundry and Cleaning	1.62	1.33	2.22	3.58	1.62	1.38	1.50	1.96	1.64	1.36	1.33	1.62	1.77	2.11
Furniture and Furnishings	2.04	1.99	1.76	2.44	1.92	.98	.55	2.78	2.23	2.71	1.45	2.91	1.69	1.92
Office Expenses	.40	.31	.52	1.55	.50	.40	.50	.38	.47	.26	.42	.35	.33	.76
Allowances†	2.96	3.43	5.13	7.27	4.05	3.17	3.06	2.61	2.93	2.25	5.41	2.84	4.01	1.39
Feed, Fodder and Livestock	3.71	4.04	.13	24.17	5.44	2.92	24.92	3.58	2.44	3.40	5.45	.....	3.28	2.61
Farm Expense	1.16	1.31	.22	.52	1.09	1.16	7.85	1.34	1.01	.94	1.35	.08	1.80	.99
Contingencies	1.13	.96	1.22	4.86	1.34	.80	8.42	.96	1.01	.71	.77	.82	.94	1.30
Salaries	55.58	58.46	51.91	104.44	53.64	60.55	64.04	60.16	48.88	36.14	65.30	56.70	53.28	78.13
TOTAL GROSS PER DEN.	101.62	103.42	96.89	195.72	103.44	106.30	148.06	106.77	94.29	77.54	119.89	98.32	101.88	130.04
Less Recoveries‡	36.32	35.47	14.99	96.96	39.62	25.85	79.94	36.02	34.93	19.73	31.51	22.12	56.11	43.47
TOTAL NET PER DEN.	65.30	67.95	81.90	98.76	63.82	80.45	68.12	70.75	59.36	57.81	88.38	76.20	45.77	86.51
Repairs to Building Expense	2.72	1.10	1.25	6.67	2.93	2.39	7.04	2.49	1.68	1.10	1.24	1.37	1.89	1.94
TOTALS	68.02	69.05	83.15	105.43	66.75	82.84	75.16	73.24	61.04	58.91	89.62	77.57	47.66	88.51

\*Medicines include tobacco.

†Allowances include employees' meals, employees' uniforms and employees' other allowances.

‡Recoveries include farm recovery, miscellaneous receipts, perquisites and patients' maintenance.

TABLE No. 36  
ANNUAL DENTAL REPORT—ONTARIO HOSPITALS—Year Ending March 31, 1943

	TOTAL	BROCK- VILLE	COBURG	FORT WILHAM	HAMIL- TON	KING- STON	LANG- STAFF	LONDON	NEW TORONTO	ORILLIA	PENYANG	TORONTO	WHITBY	WOOD- STOCK
Patients at Clinic.....	26,812	1,605	1,013	247	2,510	2,269	789	2,274	2,343	4,156	1,107	1,806	3,247	3,356
Examinations only.....	10,332	487	312	141	1,078	288	362	887	1,929	1,996	417	463	1,611	421
Patients Treated.....	15,636	1,719	695	144	1,274	1,981	8	1,774	1,893	2,180	698	.....	.....	3,270
Patients X-rayed.....	2,541	101	79	.....	171	75	.....	146	914	162	20	53	337	183
Number of Pictures Taken.....	14,856	803	980	.....	1,554	736	.....	1,900	1,682	1,983	.....	529	2,026	3,563
Extractions.....	7,733	416	239	89	733	541	68	1,471	554	1,175	612	333	633	869
General Anaesthetics.....	101	2	14	.....	.....	.....	.....	.....	82	.....	3	.....	.....	.....
Local Anaesthetics.....	5,239	288	131	68	569	525	58	869	488	577	332	289	413	602
Fillings.....	7,867	546	288	36	741	674	131	877	681	1,306	100	811	1,041	632
Pyorrhoea Treatments.....	2,714	77	40	5	91	917	.....	19	882	279	.....	1	223	180
Prophylaxis.....	5,853	405	154	90	280	1,370	350	401	469	192	220	798	305	819
Other Treatments.....	5,201	214	87	1	81	1,579	26	254	1,221	356	2	201	159	1,017
Replacements.....	236	3	32	.....	24	4	1	51	19	5	.....	17	21	59
Dentures Repaired.....	700	23	26	6	21	25	2	31	351	11	35	42	60	67

TABLE No. 37  
LABORATORY AND PATHOLOGICAL REPORT

PROCEDURES	TOTAL	BROCKVILLE	COBOURG	FORT WILLIAM	HAMILTON	KINGS- TON	LONDON	NEW TORONTO	ORILLIA	PENETANG	TORONTO	WHITBY	WOOD- STOCK	PSYCH- IATRIC
Urinalysis:														
Chemical.....	18,283	840	198	124	4,297	716	1,790	4,506	1,547	150	1,372	1,295	728	720
Microscopic.....	8,581	104	5		1,279	397	1,228	2,631	369	7		1,153	720	678
Other Procedures.....	1,867		106				138	1,129	89	3	12	2	352	36
Blood Examinations:														
White Cell Counts.....	4,531	121	3	44	658	131	699	1,782	277	12	112	285	320	487
Red Cell Counts.....	4,092	172	2	41	501	213	619	1,436	234	13	125	224	471	38
Differential Counts.....	1,546	25		1	12	10	47	1,018	39	2	91	233	208	28
Hemoglobin Estimations.....	4,868	150	116	43	536	189	672	1,640	219	15	122	234	467	465
Chemical Examinations.....	663				54	169	129		1		136	40		134
Blood Cultures.....	246		6	2	16	1	69	10		5	87	36		11
Blood Sugars.....	1,080	7	3		213	24	303	36			417	33	7	77
Glucose Tolerance Tests.....	162				81		49				20			12
Widal and B. Abortus Agglutinations.....	500				128	20	339			6				7
Wassermann s.....	3,060	313	113	75	487	243	167	312		35	571	281		463
Kahn s.....	1,879		27	75	27	125	279	312		23			255	469
Presumptive Kahn s.....	465						465							
Spinal Fluid Examinations:														
Cell Counts.....	662			14	2	28	287	116		1	160	28	5	21
Globulin Tests.....	654		1	14		20	287	116		2	160	28	4	22
Colloidal Gold and Mastres.....	565		1	14		20	287	116		3	160	28	4	24
Wassermann s.....	712		1	14	100	44	287	18		3	160	28	4	24
Kahn s.....	518			14		20	247	48		3	160	28	4	24
Sputum Examinations.....	11,079	124	30	410	2,525	556	244	222		8	735	454	5,136	555
Throat Swabs.....	94				8	41	29	10			1	5		
Facial Examinations.....	696					16	167	478		2	5		6	
Gastric Analysis.....	9						15					16		3
Basal Metabolism.....	31													
Tissue Examinations:														
Surgical.....	79	3	2		10	23	37			1				
Post-mortem.....	13	2		1						2			6	
Autopsies.....	33					4	19			1		2		
Serological Therapy.....	3,261		75	98		16	1,527	104		34	4	2	357	1
Other Tests (Not Listed).....	10,821	137	77	178	123	309	426	23	809	1,117	5,851	1,001	1,658	84
TOTAL PROCEDURES	81,450	2,029	772	1,165	11,657	3,335	10,852	15,941	3,581	1,451	10,422	5,659	10,738	4,442

TABLE No. 38  
REPORT OF WORK BY ONTARIO HOSPITALS' CHEST CLINIC—For Fiscal Year Ending March 31, 1943

	TORONTO PSYCHIATRIC		BROCKVILLE		COBOURG		FORT WILLIAM		HAMILTON		KINGSTON		LONDON		NEW TORONTO		ORILLIA	
	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS
Number of Individuals Considered	115	426	281	1,385	90	487	33	145	332	1,902	282	1,362	470	1,998	313	1,645	304	2,060
Number of Chest Examinations Performed	2	.....	15	28	10	11	.....	.....	6	25	32	36	49	25	17	30	10	10
Number of Chest X-rays Interpreted	203	7	423	1,456	113	556	41	160	417	2,186	427	1,590	653	2,254	438	1,822	378	1,290
Number of Tuberculin Tests Performed	49	.....	145	.....	34	.....	8	.....	226	.....	189	.....	227	.....	172	.....	244	1,903
Number of Cases Advised for Treatment (Active Disease)	1	.....	1	5	.....	.....	3	.....	.....	13	1	13	.....	11	.....	7	.....	2
Number of Cases Advised for Investigation in Hospitals, Staff Merely Repeat X-rays, Patients Segregated While Investigated	19	67	59	149	16	29	3	18	58	184	69	218	69	198	37	176	51	91
Total Number of Cases Showing Significant Pulmonary Tuberculosis	9	3	10	153	6	42	.....	7	10	158	9	164	21	167	12	179	14	117

	PENETANG		TORONTO		WHITBY		WOODSTOCK		LANGSTAFF		T.B. UNIT		COLONY HOUSES		TOTAL		GRAND TOTALS	
	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS	STAFF	PA-TIENTS
Number of Individuals Considered	144	613	334	1,543	374	1,916	367	707	103	422	687	5	55	3,547	17,353	20,900		
Number of Chest Examinations Performed	9	2	15	41	22	29	1	2	2	18	1,362	.....	.....	190	1,619	1,809		
Number of Chest X-rays Interpreted	155	635	424	1,770	426	1,961	905	758	124	441	1,362	5	55	5,432	18,306	23,438		
Number of Tuberculin Tests Performed	74	.....	102	.....	204	.....	187	.....	36	.....	1	.....	.....	1,897	1,904	3,801		
Number of Cases Advised for Treatment (Active Disease)	.....	.....	1	7	.....	12	3	4	.....	2	.....	.....	.....	7	79	86		
Number of Cases Advised for Investigation in Hospitals, Staff Merely Repeat X-rays, Patients Segregated While Investigated	16	41	36	176	38	233	68	64	14	34	Included with staff, Ontario Hospital Woodstock.	.....	.....	553	1,678	2,231		
Total Number of Cases Showing Significant Pulmonary Tuberculosis	8	94	20	151	18	170	21	38	3	46	.....	.....	.....	161	1,489	1,650		

## MENTAL HEALTH CLINICS

L. S. PENROSE, M.D., Consultant Psychologist

During the year from March 31, 1942, to March 31, 1943, 2,741 new cases were seen in the Mental Health Clinics. This figure indicates a further reduction as compared with previous years. In 1940-41 there were 4,034 new cases seen, and in 1942-43, 3,701 new cases. The trend can probably be attributed to the necessity of curtailing the clinic services on account of shortage of staff in consequence of war conditions. Clinics were operating at only five centres, as shown in Table 1.

Table 2 shows the distribution of new cases with respect to the referring agencies. The percentages have remained practically unchanged as compared with last year's returns.

The distributions of new cases by sex and age are shown in Tables 3 and 4. On the whole, the group contains a higher percentage of children below the age of 14 than last year; i.e., 41.25 per cent in 1943 as opposed to 37.72 per cent in 1942.

The types of problems presented are classified in Table 5. As compared with last year, fewer new cases of adult maladjustment were seen—only 29 in 1943 compared with 146 in 1942. The proportion of cases of juvenile delinquency has increased to 16.34 per cent in 1943, but the total number of such cases has shown little change.

No significant difference is shown, since last year, in the percentage distribution of intelligence grades (Table 6). Some 3 per cent of cases, rated as unspecified defectives in 1943, may have been included in the undiagnosed group in the previous year.

The classification of cases by diagnosis is shown in Table 7, and the treatments recommended are set out in Table 8. As in some previous years the proportion of psychoneurotics seen is low—10.05 per cent (192 cases). Individual psychotherapy was recommended for 231 new patients.

TABLE No. 1  
CASE LOAD—Year Ending March 31, 1943

CLINICS	CURRENT YEAR		
	NUMBER OF NEW CASES	NUMBER OF CASE CONTACTS*	ALL YEARS
Brockville.....	372	1,575	6,148
Hamilton.....	589	4,453	7,552
Kingston.....	377	1,392	4,499
London.....	671	1,885	7,959
Toronto Psychiatric.....	732	Not available	8,562
TOTALS.....	2,741	9,305	34,720

\*Any contact made by any one member of the clinic staff and includes all the new cases.

In the tables No. 2 to No. 8 all cases examined at the Toronto Psychiatric Out-Patient Clinic are excluded.

Only 490 (cases seen only at the Clinic Centres and Local Clinic) of the 589 new cases seen by the Hamilton Clinic are included in the following tables.

TABLE No. 2  
NEW CASES BY REFERRING AGENCY

REFERRING AGENCY	NUMBER OF CASES	PER CENT
Welfare Agencies .....	558	29.21
—Relief Agencies .....	6	.31
—Mother's Allowance Commission .....	6	.31
—Children's Aid Society .....	488	25.55
—Other Agencies .....	58	3.04
Medical Agencies .....	862	45.13
—Family Physician .....	500	26.18
—School Medical Services .....	82	4.29
—General Hospitals .....	139	7.28
—Mental Hospitals .....	34	1.78
—Other Health Agencies .....	107	5.60
Educational Agencies .....	68	3.56
Courts .....	340	17.80
—Adult .....	128	6.70
—Juvenile .....	212	11.10
Family .....	47	2.46
Self .....	15	.79
Other .....	20	1.05
TOTALS	1,910	100.00

TABLE No. 3  
NEW CASES BY SEX

SEX	NUMBER	PER CENT
Male .....	993	52.00
Female .....	917	48.00
BOTH SEXES	1,910	100.00

TABLE No. 4  
NEW CASES BY AGE

AGE GROUPS (YEARS)	NUMBER OF CASES	PER CENT
0-5 .....	247	12.93
6-13 .....	541	28.32
14-21 .....	400	20.94
22 and Over .....	711	37.23
Not Stated .....	11	.58
TOTALS	1,910	100.00



**TABLE No. 5**  
**FREQUENCY OF CERTAIN SPECIFIC PROBLEMS**

PROBLEM	NUMBER OF CASES	PER CENT
Suspected Mental Illness .....	620	32.45
Suspected Mental Defect* .....	280	14.66
Convulsive Disorders .....	58	3.04
Probation Supervision .....	21	1.10
Boarding Home Supervision .....	3	.16
Juvenile Delinquency .....	312	16.34
Child Training† .....	166	8.69
Adult Adjustment .....	29	1.52
Estimation of Intelligence .....	176	9.21
Vocational Advice .....	12	.63
Other Problems .....	233	12.20
<b>TOTALS</b>	<b>1,910</b>	<b>100.00</b>

\*Includes school retardation.

†Other than delinquency.

**TABLE No. 6**  
**NEW CASES BY INTELLIGENCE GRADE**

INTELLIGENCE GRADE	NUMBER OF CASES	PER CENT
Superior .....	111	5.81
Normal .....	380	19.89
Undiagnosed .....	586	30.68
Dull Normal .....	216	11.31
Borderline .....	203	10.63
Moron .....	256	13.40
Imbecile .....	63	3.30
Idiot .....	20	1.05
Defective Unspecified .....	75	3.93
<b>TOTALS</b>	<b>1,910</b>	<b>100.00</b>

**TABLE No. 7**  
**FREQUENCY OF CERTAIN SPECIFIC PSYCHIATRIC CONDITIONS**

PSYCHIATRIC CONDITION	NUMBER OF CASES	PER CENT
Neuroses .....	192	10.05
Schizophrenia .....	99	5.18
Manic Depressive .....	63	3.30
Senile Dementia .....	42	2.20
Psychosis with Arteriosclerosis .....	41	2.15
General Paresis .....	14	.73
Involitional Melancholia .....	21	1.10
Other Psychoses .....	59	3.09
Psychopathic Personality .....	21	1.10
Epilepsy .....	53	2.77
Alcoholism .....	11	.58
Drug Addiction .....	3	.16
Mental Defect .....	250	13.09
Miscellaneous .....	1,041	54.50
<b>TOTALS</b>	<b>1,910</b>	<b>100.00</b>

**TABLE No. 8**  
**FREQUENCY OF CERTAIN TREATMENTS RECOMMENDED**

TREATMENTS RECOMMENDED	NUMBER RECEIVING TREATMENTS
Individual Psychotherapy.....	231
School Adjustment.....	133
Habit Training.....	188
Home Adjustment—Other than Habit Training.....	163
Vocational Adjustment.....	82
Foster Home Care.....	208
Physical Care.....	196
—Medication.....	109
—Other.....	87
Institutional Care.....	335
—Ontario Hospital—Orillia.....	36
—Other Ontario Hospitals.....	212
—Bowmanville Boys' Training School.....	6
—Other Training Schools.....	39
—Other Institutions.....	42
No Treatment Specified.....	121

# SUPPLEMENTARY STATISTICAL TABLES ON THE ONTARIO HOSPITAL, WOODSTOCK

TABLE A

FIRST ADMISSIONS AND PATIENTS IN RESIDENCE BY SEX  
AND MENTAL STATUS

Year Ending March 31, 1943

MENTAL STATUS	FIRST ADMISSIONS			PATIENTS IN RESIDENCE		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
Normal.....	9	7	16	44	29	73
Subnormal:						
Idiot.....	2	1	3	13	5	18
Imbecile.....	9	2	11	70	74	144
Moron.....	6	10	16	70	93	163
Borderline.....	6	3	9	18	17	35
Dull Normal.....	6	9	15	19	13	32
Unascertained.....	15	5	20	394	339	733
TOTALS.....	53	37	90	628	570	1,198

TABLE B

FIRST ADMISSIONS BY EPILEPTIC GROUPS AND TYPES OF SEIZURE

TYPE OF SEIZURE	SYMPTOMATIC									IDIOPATHIC	NOT EPILEPTIC AND UN- CLASSIFIED	TOTAL								
	TOXAEMIC						DUE TO BRAIN DISEASE													
	EXOGENOUS			ENDOGENOUS																
	M.	F.	T.	M.	F.	T.	M.	F.	T.						M.	F.	T.	M.	F.	T.
Petit Mal.....																				
Grand Mal.....	1		1				2		2	1	2	3				4	2	6		
Petit and Grand Mal.....				1	1		8	6	14	21	13	34				29	20	49		
Petit and/or Grand Mal.....																				
Petit and/or Grand Mal with Post-epileptic States.....							3		3	4	1	5				7	1	8		
Petit and/or Grand Mal with Psychic Equivalents.....								4	4	2	5	7				2	9	11		
Petit and/or Grand Mal with Hysteroid.....																				
Jacksonian.....								1	1										1	1
Psychic Equivalent.....																				
Not Epileptic; Hysteroid and Unclassified.....													3		3	3		3		
TOTALS.....	1		1	1	1		13	11	24	28	21	49	3		3	45	33	78		

**TABLE C**  
**FIRST ADMISSIONS BY DURATION OF EPILEPSY BEFORE ADMISSION**  
**AND BY EPILEPTIC GROUPS**

DURATION OF EPILEPSY BEFORE ADMISSION	SYMPTOMATIC									NOT EPILEPTIC AND UN- CLASSIFIED			TOTAL						
	TOXAEMIA						DUE TO BRAIN DISEASE			IDIOPATHIC									
	EXOGENOUS			ENDOGENOUS															
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Under 1 Year.																			
1 Year									2		2						2		2
2 Years								1	1	1	1	2					2	1	3
3-4 Years	1		1					1	1		1	1					2	1	3
5-9 Years				1	1		1	3	4	8		8					9	4	13
10 Years and Over							10	8	18	17	19	36					27	27	54
Unascertained.													3		3		3		3
TOTALS	1		1				13	11	24	28	21	49	3		3		45	33	78

**TABLE D**  
**ETIOLOGICAL FACTORS\* AMONG FIRST ADMISSIONS BY**  
**EPILEPTIC GROUPS**

ETIOLOGICAL FACTORS	SYMPTOMATIC									NOT EPILEPTIC AND UN- CLASSIFIED			TOTAL						
	TOXAEMIC						DUE TO BRAIN DISEASE			IDIOPATHIC									
	EXOGENOUS			ENDOGENOUS															
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Head Injury at Birth								3	4	7							3	4	7
Trauma Since Birth								6	2	8							6	2	8
Developmental Defects								4		4	4		4				8		8
Meningo-encephalitic Complicating Infections†								2	3	5							2	3	5
Gastro-intestinal Disorders								1	1								1		1
Other Infectious Diseases																			
Cerebro-vascular Sclerosis																			
Syphilis— Acquired																			
Hereditary																			
Alcoholism	1			1													1		1
Endo-cranopathy																			
Pregnancy																			
Family History of Convulsions								1		1	8	8	16				9	8	17
Other Specified Causes				1	1		4	5	9	7	5	12					11	11	22
Cause Unascertained											14	10	24				14	10	24
Not Epileptic													3		3		3		3
TOTALS	1		1				21	14	35	33	23	56	3		3		58	38	96

\*If more than one etiological factor is found, all are reported in table.

†To include all cases due to lesions resulting from non-syphilitic meningitis, or encephalitis, e.g., scarlet fever, measles, influenza, typhoid fever, encephalitis lethargica, etc.

**TABLE E**  
**DISCHARGES BY EPILEPTIC GROUPS AND CONDITION ON DISCHARGE**

CONDITION ON DISCHARGE	SYMPTOMATIC						IDIOPATHIC	NOT EPILEPTIC AND UN- CLASSIFIED	TOTAL								
	* TOXAEMIA			DUE TO BRAIN DISEASE													
	EXOGENOUS		ENDOGENOUS														
	M.	F.	T.	M.	F.	T.				M.	F.	T.	M.	F.	T.		
Recovered.....	.....	.....	.....	.....	1	1	2	14	8	22	.....	.....	.....	15	9	24	
Improved.....	.....	.....	1	1	3	1	4	18	13	31	.....	.....	.....	21	15	36	
Unimproved.....	1	.....	1	.....	.....	1	1	6	1	7	.....	.....	.....	7	2	9	
Not Epileptic.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	.....	8	8	.....	8	
<b>TOTALS</b> .....	1	.....	1	.....	1	1	4	3	7	38	22	60	8	8	51	26	77

**TABLE F**  
**CENSUS OF PATIENT POPULATION AT END OF YEAR**

DIAGNOSIS	REMAINING IN RESIDENCE*			ON PROBATION AND ELOPED		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
Epileptic—Not Insane or Feeble-minded.....	56	44	100	13	8	21
Epileptics Who Are Feeble-minded.....	97	125	222	4	10	14
Insane Epileptics.....	147	143	290	12	9	21
Feeble-minded—Not Epileptic.....	33	28	61	1	.....	1
All Other Cases.....	295	230	525	6	4	10
<b>TOTALS</b> .....	628	570	1,198	36	31	67

\*Includes patients in boarding homes.

# SUPPLEMENTARY STATISTICAL TABLES ON THE ONTARIO HOSPITAL SCHOOL, ORILLIA

(Hospital for Mentally Defective)

**TABLE A**  
**PATIENTS IN RESIDENCE BY SEX AND MENTAL STATUS**  
Year Ending March 31, 1943

MENTAL STATUS	MALE		FEMALE		TOTAL	
	NUMBER	PER CENT	NUMBER	PER CENT	NUMBER	PER CENT
Idiot.....	241	22.0	226	22.3	467	22.1
Imbecile.....	589	53.8	511	50.4	1,100	22.8
Moron.....	233	21.3	247	24.4	480	52.1
Borderline.....	28	2.5	28	2.6	56	2.7
Not Mentally Defective.....	4	0.4	3	0.3	7	0.3
<b>TOTALS</b> .....	1,095	100.0	1,015	100.0	2,110	100.0

**TABLE B**  
**FIRST ADMISSIONS BY MENTAL STATUS AND AGE**

AGE GROUP (YEARS)	IDIOT			IMBECILE			MORON			NOT MENTALLY DEFECTIVE			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 10.....	18	18	36	21	11	32	10	1	11	....	1	1	49	31	80
10-14.....	1	5	6	20	10	30	14	11	25	....	4	4	35	30	65
15-19.....	1	2	3	8	3	11	8	6	14	2	4	6	19	15	34
20-24.....	....	....	....	....	1	1	....	2	2	....	....	....	....	3	3
25-29.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
30-34.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
35-39.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
40-44.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
45-49.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
50 and Over.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
<b>TOTALS</b> .....	20	25	45	49	25	74	32	20	52	2	9	11	103	79	182

**TABLE C**  
**FIRST ADMISSIONS BY MENTAL STATUS AND ECONOMIC CONDITION**

ECONOMIC CONDITION	IDIOT			IMBECILE			MORON			NOT MENTALLY DEFECTIVE			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Dependant.....	4	10	14	26	16	42	19	18	37	1	7	8	50	51	101
Marginal.....	9	8	17	14	6	20	8	1	9	1	1	2	32	16	48
Comfortable.....	7	7	14	9	3	12	5	1	6	....	1	1	21	12	33
Unascertained.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
<b>TOTALS</b> .....	20	25	45	49	25	74	32	20	52	2	9	11	103	79	182

TABLE D

FIRST ADMISSIONS BY MENTAL STATUS AND CLINICAL DIAGNOSIS

CLINICAL CLASSIFICATION	IDIOT			IMBECILE			MORON			NOT MENTALLY DEFECTIVE			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	Familial.....	1	3	4	20	10	30	13	16	29	....	5	5	34	34
Mongolism.....	5	4	9	7	2	9	....	....	....	....	....	....	12	6	18
With Developmental Cranial Anomalies.....	8	11	19	17	10	27	13	3	16	2	....	2	40	24	64
With Congenital Cerebral Spastic Infantile Paralyses.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Post-infectional.....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	1
Post-traumatic.....	....	3	3	1	....	1	....	....	....	....	....	....	1	3	4
With Epilepsy.....	2	1	3	2	2	4	2	1	3	....	1	1	6	5	11
With Endocrine Disorder.....	....	1	1	....	....	....	....	....	....	....	....	....	....	1	1
With Familial Amaurosis.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
With Tuberos Sclerosis.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
With Other Organic Nervous Disease.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Undifferentiated.....	3	2	5	2	1	3	4	....	4	....	2	2	9	5	14
Other Forms.....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	1
Others.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
TOTALS.....	20	25	45	49	25	74	32	20	52	2	9	11	103	79	182

TABLE E

DISCHARGE BY MENTAL STATUS AND CHRONOLOGICAL AGE

AGE GROUP (YEARS)	IDIOT			IMBECILE			MORON			NOT MENTALLY DEFECTIVE			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	Under 10.....	1	1	2	....	1	1	....	....	....	....	....	....	1	2
10-14.....	3	....	3	3	2	5	4	....	4	1	....	1	11	2	13
15-19.....	....	2	2	6	5	11	15	10	25	3	7	10	24	24	48
20-24.....	....	....	....	3	4	7	9	11	20	....	4	4	12	19	31
25-29.....	....	....	....	....	3	3	2	7	9	....	....	....	2	10	12
30-34.....	....	....	....	1	1	2	....	1	1	....	....	....	1	2	3
35-39.....	....	....	....	1	1	2	....	....	....	1	....	1	2	1	3
40-44.....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	1
45-49.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
50 and Over.....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	1
TOTALS.....	4	3	7	14	17	31	30	31	61	5	11	16	53	62	115

**TABLE F**  
**DISCHARGES BY ABILITY OF PATIENT ON DISCHARGE AND**  
**CLINICAL CLASSIFICATION**

CLINICAL CLASSIFICATION	CAPABLE OF SELF-SUPPORT			CAPABLE OF PARTIAL SELF-SUPPORT			INCAPABLE OF PRODUCTIVE WORK			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	Familial.....	14	20	34	9	13	22	2	7	9	25	40
Mongolism .....							4	3	7	4	3	7
With Developmental Cranial Anomalies.....												
With Congenital Cerebral Spastic Infantile Paralysis .....												
Post-infectious .....				1		1				1		1
Post-traumatic .....				2	1	3				2	1	3
With Epilepsy .....				1		1		1	1	1	1	2
With Endocrine Disorder.....								1	1		1	1
With Familial Amaurosis.....												
With Tuberculous Sclerosis .....												
With Other Organic Nervous Disease.....												
Undifferentiated .....	14	9	23	5	5	10	1	1	2	20	15	35
Other Forms .....		1	1								1	1
Others .....												
<b>TOTALS</b> .....	<b>28</b>	<b>30</b>	<b>58</b>	<b>18</b>	<b>19</b>	<b>37</b>	<b>7</b>	<b>13</b>	<b>20</b>	<b>53</b>	<b>62</b>	<b>115</b>

**TABLE G**  
**DEATHS BY MENTAL STATUS AND CHRONOLOGICAL AGE**

AGE GROUP (YEARS)	IDIOT			IMBECILE			MORON			NOT MENTALLY DEFECTIVE			TOTAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	Under 10 .....	14	8	22	1		1							15	8
10-14 .....	2	3	5	3		3							5	3	8
15-19 .....	4	4	8	1	1	2				1		1	6	5	11
20-24.....	2	4	6	3	1	4	2		2				7	5	12
25-29.....	1	3	4	1		1							2	3	5
30-34.....				1		1	1		1				2		2
35-39.....	1	1	2										1	1	2
40-44.....					1	1								1	1
45-49.....				1		1							1		1
50 and Over .....		2	2	2	9	11							2	11	13
Unascertained.....															
<b>TOTALS</b> .....	<b>24</b>	<b>25</b>	<b>49</b>	<b>13</b>	<b>12</b>	<b>25</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>41</b>	<b>37</b>	<b>78</b>



# SUPPLEMENTARY STATISTICAL TABLES ON THE TUBERCULOSIS UNIT, ONTARIO HOSPITAL, WOODSTOCK

TABLE A  
MOVEMENT OF PATIENT POPULATION

POPULATION	MALE	FEMALE	TOTAL
1. Patients on the Books at the Beginning of the Year:			
(a) In Residence .....	317	277	594
(b) In Boarding Homes .....			
(c) On Probation .....	10	4	14
(d) On Elopement (Not Discharged).....			
(e) Total on the Books.....	327	281	608
2. Patients Admitted During the Year:			
(a) First Admissions.....	8	4	12
(b) Readmissions.....		1	1
(c) Transfers Received.....	47	19	66
(d) Total Patients Admitted .....	55	24	79
3. Total Patients Under Care During the Year.....	382	305	687
4. Patients Discharged from Books During Year:			
(a) Discharged.....	13	3	16
(b) Departed .....			
(c) Elopers Discharged.....	1		1
(d) Died*.....	23	30	53
(e) Transferred.....	19	4	23
(f) Total Patients Discharged from Books .....	56	37	93
5. Patients on the Books at the End of the Year (Item 1e+2d-4f):			
(a) In Residence .....	323	264	587
(b) In Boarding Homes.....			
(c) On Probation.....	3	4	7
(d) On Elopement (Not Discharged).....			
(e) Total on Books.....	326	268	594
6. Daily Average Population in Residence	319.31	268.48	587.79
7. Daily Average Population on Books.....	327.93	273.48	601.41

\*Does **not** include deaths on probation or elopement. These are to be classed as discharged. See note in memorandum on this table.

NOTE.—Items 1e+2d must equal items 4e+5e.

**TABLE B**  
**PATIENTS IN RESIDENCE BY AGE AND DIAGNOSIS**

DIAGNOSIS	AGE GROUP																			
	Under 10		10-14		15-19		20-24		25-29		30-34		35-39		40-44					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
01. With Syphilitic Meningo-Encephalitis																				
02. With Other Forms of Syphilis																				
03. With Epidemic Encephalitis																				
04. With Other Infectious Diseases																				
05. Alcoholic Psychoses																				
06a. Due to Opium and Other Drugs																				
06b. Due to Other Exogenous Toxins																				
07. Traumatic Psychoses																				
08. With Cerebral Arterio-sclerosis																				
09. With Other Disturbances of Circulation																				
10. With Convulsive Disorders (Epilepsy) . . . . .			1	1																
11. Senile Psychoses																				
12. Involutional Psychoses																				
13. Due to Other Metabolic, etc., Diseases																				
14. Due to New Growth																				
15. With Organic Changes of Nervous System																				
16. Psychoneuroses																				
17. Manic-Depressive Psychoses																				
18. Dementia Praecox (Schizophrenia)																				
19. Paranoia and Paranoid Conditions																				
20. With Psychopathic Personality																				
21. With Mental Deficiency																				
22. Undiagnosed Psychoses																				
23a. Epileptics Not Psychotic or Feeble-minded																				
23b. Epileptics Who Are Feeble-minded . . . . .																				
23c. Alcoholism																				
23d. Drug Addiction																				
23e. Mental Deficiency																				
23f. Disorders of Personality																				
23g. Psychopathic Personality																				
23h. Primary Behaviour Disorders																				
23i. Without Mental Disorder . . . . .																				
TOTALS 1-22 . . . . .			1	1	5	3	8	20	6	26	25	14	39	33	26	59	10	26	66	
TOTALS 23-25 . . . . .			2	2	2	4	6	3	5	8	8	2	10	3	5	8	2	1	6	
GRAND TOTALS			2	1	3	7	7	14	23	11	34	33	16	49	36	31	67	12	30	72

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE B (Concl'd)  
PATIENTS IN RESIDENCE BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP (Concl'd)												TOTAL					
	45-49		50-54		55-59		60-64		65-69		70 AND OVER		UNASCERTAINED		M.	F.	T.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				M.
01. With Syphilitic Meningo-encephalitis	2	2	1	1	6	1	7	1	1	1	1	1	1	1	13	4	17	
02. With Other Forms of Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	
03. With Epidemic Encephalitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	
04. With Other Infectious Diseases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
05. Alcoholic Psychoses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
06a. Due to Opium and Other Drugs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
06b. Due to Other Exogenous Toxins	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
07. Traumatic Psychoses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
08. With Cerebral Arteriosclerosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
09. With Other Disturbances of Circulation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10. With Convulsive Disorders (Epilepsy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11. Senile Psychoses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12. Involutional Psychoses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
13. Due to Other Metabolic, etc., Diseases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14. Due to New Growth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15. With Organic Changes of Nervous System	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16. Psychoneuroses	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
17. Manic-Depressive Psychoses	18	27	45	22	27	49	24	14	38	18	14	32	16	19	35	16	20	36
18. Dementia Praecox (Schizophrenia)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
19. Paranoia and Paranoid Conditions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20. With Psychopathic Personality	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
21. With Mental Deficiency	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22. Undiagnosed Psychoses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
231a. Epileptics Not Psychotic or Feeble-minded	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
231b. Epileptics Who Are Feeble-minded	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
232. Alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
233. Drug Addiction	3	3	6	2	2	4	1	1	1	3	2	5	1	1	1	1	2	
234. Mental Deficiency	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
235. Disorders of Personality	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
236. Psychopathic Personality	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24. Primary Behaviour Disorders	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25. Without Mental Disorder	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TOTALS 1-22	28	29	57	26	30	56	33	22	55	26	20	46	24	28	52	30	30	60
TOTALS 23-25	3	3	6	3	2	5	1	1	2	3	2	5	2	2	2	1	1	2
GRAND TOTALS	31	32	63	29	32	61	34	23	57	29	22	51	26	28	54	31	31	62

WITH PSYCHOSES

WITHOUT PSYCHOSES

**TABLE C**  
**PATIENTS IN RESIDENCE BY PRESENT AGE AND TUBERCULOSIS STATUS**

PRESENT AGE (YEARS)	TUBERCULOSIS STATUS																					
	TOTAL			MINIMAL			MODERATELY ADVANCED			FAIR ADVANCED			QUIESCENT AND ARRESTED			NON-PULMONARY			FOR OBSERVATION ONLY			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Under 10																						
10-14																						
15-19	2	1	3	1	1	2						1		1								
20-24	7	7	14	1	4	5	3	1	4	15	4	1	1	2					1		1	
25-29	23	11	34	5	4	9	11	4	15	4	11	1	1	4	1	5						
30-34	33	16	49	12	4	16	10	4	11	10	25	3	1	4	2	2	4					
35-39	36	31	67	10	9	19	15	10	25	14	10	24	2	1	3	5	4	9				
40-44	42	30	72	14	7	21	14	10	24	10	6	16	1	1	5	12	17					
45-49	31	32	63	10	10	20	10	6	16	11	6	17	4	1	5	5	11	16				
50-54	29	32	61	4	9	13	11	6	17	10	3	13	3	1	4	7	9	16	2	1	3	
55-59	34	23	57	8	6	14	10	3	13	12	5	17	3	1	4	4	5	9				
60-64	29	22	51	4	7	11	12	5	17	6	6	12	1	1	2	1	6	10				
65-69	26	28	54	7	7	14	6	6	12	15	2	17	1	1	2	6	12	18	1			
70 and Over	31	31	62	3	5	8	15	2	17													
Not Stated																						
TOTALS	323	264	587	79	73	152	117	57	174	27	10	37	45	65	110	4	3	7	51	56	107	

TABLE D  
PATIENTS IN RESIDENCE BY TUBERCULOSIS STATUS AND DIAGNOSIS

DIAGNOSIS	TUBERCULOSIS STATUS														
	TOTAL		MINIMAL		MODERATELY ADVANCED		EAR ADVANCED		QUIESCENT AND ARRESTED		NON-PULMONARY		FOR OBSERVATION ONLY		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.
01. With Syphilitic Meningo-Encephalitis	13	4	17	2	1	3	4	1	5	1	1	3	3	3	5
02. With Other Forms of Syphilis	2	2	4	2	2	4	1	1	2	1	1	3	2	1	1
03. With Epidemic Encephalitis	1	2	3	1	1	2	1	1	2	1	1	1	1	1	1
04. With Other Infectious Diseases	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
05. Alcoholic Psychoses	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
06a. Due to Opium and Other Drugs															
06b. Due to Other Exogenous Toxins															
07. Traumatic Psychoses															
08. With Cerebral Arteriosclerosis	13	6	19	2	2	4	4	1	5	2	2	4	1	3	5
09. With Other Disturbances of Circulation	4	6	10	3	4	7	3	3	6	1	2	3	1	4	5
10. With Convulsive Disorders (Epilepsy)	4	2	6	3	1	4	3	1	4	1	1	2	1	3	4
11. Senile Psychoses	6	8	14	4	6	10	1	1	2	1	1	2	1	1	1
12. Involutional Psychoses															
13. Due to Other Metabolic, etc., Diseases	1	3	4	1	1	2	1	1	2	1	1	2	1	3	4
14. Due to New Growth	1	3	4	1	1	2	1	1	2	1	1	2	1	3	4
15. With Organic Changes of Nervous System	12	12	24	3	5	8	5	3	8	2	2	4	1	1	2
16. Psychoneuroses	216	181	397	52	41	93	77	45	122	16	2	18	35	52	87
17. Manic-Depressive Psychoses	2	3	5	1	1	2	1	1	2	1	1	2	2	2	2
18. Dementia Praecox (Schizophrenia)	2	3	5	1	1	2	1	1	2	1	1	2	1	1	1
19. Paranoid and Epimanioid Conditions	2	3	5	1	1	2	1	1	2	1	1	2	1	1	1
20. With Psychopathic Personality	5	7	12	2	2	4	1	1	2	1	1	2	1	3	4
21. With Mental Deficiency	2	2	4	1	1	2	1	1	2	1	1	2	1	1	1
22. Undiagnosed Psychoses	2	2	4	1	1	2	1	1	2	1	1	2	1	1	1
23a. Epileptics Not Psychotic or Feeble-minded	3	3	6	1	1	2	1	1	2	1	1	2	1	2	2
23b. Epileptics Who Are Feeble-minded	1	1	2	1	1	2	1	1	2	1	1	2	1	2	2
23c. Alcoholism															
23d. Drug Addiction															
23e. Mental Deficiency	27	28	55	9	9	18	10	6	16	1	4	5	3	4	7
23f. Disorders of Personality	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
23g. Psychopathic Personality															
23h. Primary Behaviour Disorders															
23i. With Mental Disorder	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1
TOTALS 1-22	290	235	525	69	63	132	106	51	157	25	6	31	42	61	103
TOTALS 23-25	33	29	62	10	10	20	11	6	17	2	4	6	3	4	7
GRAND TOTALS	323	264	587	79	73	152	117	57	174	27	10	37	45	65	110

With Psychosis

Without Psychosis

TABLE E (1)  
TRANSFERS RECEIVED FROM ONTARIO HOSPITALS DURING THE YEAR BY DIAGNOSIS AND TUBERCULOSIS STATUS

DIAGNOSIS	TUBERCULOSIS STATUS																	
	TOTAL	MINIMAL	MODERATELY ADVANCED	FAR ADVANCED	QUIESCENT AND ARRESTED	NON-PULMONARY	FOR OBSERVATION ONLY											
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.											
01. With Syphilitic Meningo-Encephalitis	1	1																
02. With Other Forms of Syphilis																		
03. With Epidemic Encephalitis																		
01. With Other Infectious Diseases	1			1														
05. Alcoholic Psychoses																		
06a. Due to Opium and Other Drugs																		
06b. Due to Other Exogenous Toxins																		
07. Traumatic Psychoses	2																	
08. With Cerebral Arteriosclerosis			1	1														
09. With Other Disturbances of Circulation	1	2	1	1														
10. With Convulsive Disorders (Epilepsy)	3	4	1	1														
11. Senile Psychoses	1	2	3				1											
12. Involuntional Psychoses																		
13. Due to Other Metabolic, etc., Diseases																		
14. Due to New Growth																		
15. With Organic Changes of Nervous System	1																	
16. Psychoneuroses	2	2	3				2											
17. Manic-Depressive Psychoses	6	1	7	3			1											
18. Dementia Praecox (Schizophrenia)	20	10	30	11	4	15	3											
19. Paranoia and Paranoid Conditions	1																	
20. With Psychopathic Personality	2			2														
21. With Mental Deficiency	2	1	3	1														
22. Undiagnosed Psychoses	1																	
231a. Epileptics Not Psychotic or Feeble-minded	1						1											
231b. Epileptics Who Are Feeble-minded	1																	
232. Alcoholism																		
233. Drug Addiction																		
234. Mental Deficiency	2	2	4	1	1	1	2											
235. Disorders of Personality																		
236. Psychopathic Personality																		
237. Psychopathic Personality																		
238. Primary Behaviour Disorders																		
TOTALS 1-22	43	17	60	16	6	22	16	8	24	5	1	6	2	1	1	4	1	5
TOTALS 23-24	4	2	6	1		1	1	1	2	1		1		1		1		1
GRAND TOTALS	47	19	66	17	6	23	17	9	26	6	1	7	2	1	3	5	1	6

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE E (2)  
FIRST AND READMISSIONS FROM SOURCES OTHER THAN ONTARIO HOSPITALS RECEIVED DURING THE YEAR  
BY DIAGNOSIS AND TUBERCULOSIS STATUS

DIAGNOSIS	TUBERCULOSIS STATUS											
	TOTAL	MINIMAL	MODERATELY ADVANCED	FAR ADVANCED	QUIESCENT AND ARRESTED	NON- PULMONARY	FOR OBSERVA- TION ONLY					
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.		
01. With Syphilitic Meningo-Encephalitis.....	1											
02. With Other Forms of Syphilis.....												
03. With Epidemic Encephalitis.....												
04. With Other Infectious Diseases.....												
05. Alcohollic Psychoses.....	1		1									
06a. Due to Opium and Other Drugs.....												
06b. Due to Other Exogenous Toxins.....												
07. Traumatic Psychoses.....												
08. With Cerebral Arteriosclerosis.....												
09. With Other Disturbances of Circulation.....	1									1		
10. With Convulsive Disorders (Epilepsy).....												
11. Senile Psychoses.....												
12. Involutional Psychoses.....												
13. Due to Other Metabolic, etc., Diseases.....												
14. Due to New Growth.....												
15. With Organic Changes of Nervous System.....												
16. Psychoneuroses.....	2		2									
17. Manic-Depressive Psychoses.....												
18. Dementia Praecox (Schizophrenia).....	3	3	2	1								
19. Paranoia and Paranoid Conditions.....												
20. With Psychopathic Personality.....												
21. With Mental Deficiency.....	1			1								
22. Undiagnosed Psychoses.....												
23a. Epileptics Not Psychotic or Feeble-minded.....												
231b. Epileptics Who Are Feeble-minded.....												
232. Alcoholism.....												
233. Drug Addiction.....												
234. Mental Deficiency.....	1		1									
235. Disorders of Personality.....												
236. Psychopathic Personality.....												
24. Primary Behaviour Disorders.....												
TOTALS 1-22.....	7	5	12	3	3	5	1	6	2	2	1	1
TOTALS 23-24.....	1		1			1		1				
GRAND TOTALS.....	8	5	13	3	3	6	1	7	2	2	1	1

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE F  
TRANSFERS RECEIVED DURING THE YEAR BY DIAGNOSIS AND HOSPITAL

DIAGNOSIS	TRANSFERRED FROM ONTARIO HOSPITAL AT													
	TOTAL		BROCKVILLE		COROBERG		FOUR WELLES		HAMILTON		KINGSTON		LANGSTAFF	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
01. With Syphilitic Meningo-Encephalitis	1	1												
02. With Other Forms of Syphilis	1	1												
03. With Epidemic Encephalitis	1	1												
04. With Other Infectious Diseases	1	1												
05. Alcoholic Psychoses	1	1												
06a. Due to Opium and Other Drugs														
06b. Due to Other Exogenous Toxins														
07. Traumatic Psychoses	2	1	3				2	2						
08. With Cerebral Arteriosclerosis	3	1	4											
09. With Other Disturbances of Circulation	1	1	2						1	1				
10. With Convulsive Disorders (Epilepsy)	1	1	2											
11. Senile Psychoses	1	2	3											
12. Involutional Psychoses														
13. Due to Other Metabolic, etc., Diseases	1	1	2											
14. Due to New Growth	4	1	5											
15. With Organic Changes of Nervous System	6	1	7	1			1	1	1	1	1	1	1	1
16. Psychoneuroses	23	13	36						6	1	7	1	2	6
17. Manic-Depressive Psychoses	1	1	2											
18. Dementia Praecox (Schizophrenia)	2	1	3											
19. Paranoia and Paranoid Conditions	2	1	3											
20. With Psychopathic Personality	2	1	3											
21. With Mental Deficiency	2	2	4											
22. Undiagnosed Psychoses	1	1	2											
23a. Epileptics Not Psychotic or Feeble-minded	1	1	2											
23b. Epileptics Who Are Feeble-minded	1	1	2											
232. Alcoholism	3	2	5											
233. Drug Addiction														
234. Mental Deficiency														
235. Disorders of Personality														
236. Psychopathic Personality														
24. Primary Behaviour Disorders														
TOTALS 1-22	50	22	72	1	1		3	11	2	13	6	2	8	1
TOTALS 23-24	5	2	7											
GRAND TOTALS	55	24	79	1	1		3	11	2	13	6	2	8	2

WITH PSYCHOSES

WITHOUT PSYCHOSES



TABLE F (Concl'd)  
TRANSFERS RECEIVED DURING THE YEAR BY DIAGNOSIS AND HOSPITAL

DIAGNOSIS	TRANSFERRED FROM ONTARIO HOSPITAL AT (Concl'd)										FIRST AND READMISSION FROM OTHER SOURCES										
	LONDON	NEW TORONTO		ORILLIA	PENETANG	TORONTO	WHITBY	WOODSTOCK													
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.									
01. With Syphilitic Meningo-Encephalitis.....	1	1										1									
02. With Other Forms of Syphilis.....												1									
03. With Epidemic Encephalitis.....																					
04. With Other Infectious Diseases.....						1		1													
05. Alcoholic Psychoses.....																					
06a. Due to Opium and Other Drugs.....												1									
06b. Due to Other Exogenous Toxins.....												1									
07. Traumatic Psychoses.....																					
08. With Cerebral Arteriosclerosis.....												1									
09. With Other Disturbances of Circulation.....												1									
10. With Convulsive Disorders (Epilepsy).....									1	1	2										
11. Semile Psychoses.....																					
12. Involutional Psychoses.....			1	1																	
13. Due to Other Metabolic, etc., Diseases.....																					
14. Due to New Growth.....																					
15. With Organic Changes of Nervous System.....																					
16. Psychoneuroses.....																					
17. Manic-Depressive Psychoses.....	2	2				1	1					2									
18. Dementia Praecox (Schizophrenia).....	4	3	7	2	1	3	1	1	2	3		3									
19. Paranoia and Paranoid Conditions.....												3									
20. With Psychopathic Personality.....												6									
21. With Mental Deficiency.....				1	1							1									
22. Undiagnosed Psychoses.....												1									
231a. Epileptics Not Psychotic or Feeble-minded.....																					
231b. Epileptics Who Are Feeble-minded.....										1		1									
232. Alcoholism.....																					
233. Drug Addiction.....																					
234. Mental Deficiency.....	1	1	1	1	2							1									
235. Disorders of Personality.....												1									
236. Psychopathic Personality.....																					
24. Primary Behaviour Disorders.....																					
TOTALS 1-22.....	6	4	10	3	2	5				4	2	6	5	4	9	3	1	4	7	5	12
TOTALS 23-24.....	1	1	1	1	1	2							2				2		1		1
GRAND TOTALS.....	6	5	11	4	3	7				4	2	6	5	4	9	5	1	6	8	5	13

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE G  
DISCHARGES BY DIAGNOSIS AND TUBERCULOSIS STATUS ON ADMISSION

DIAGNOSIS	TUBERCULOSIS STATUS							
	TOTAL	MINIMAL	MODERATELY ADVANCED	FAR ADVANCED	QUESCENT AND ARRESTED	NON-PULMONARY	FOR OBSERVATION ONLY	
M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	
With Psychoses								
01. With Syphilitic Meningo-Encephalitis								
02. With Other Forms of Syphilis								
03. With Epidemic Encephalitis								
04. With Other Infectious Diseases								
05. Alcoholie Psychoses								
06a. Due to Opium and Other Drugs								
06b. Due to Other Exogenous Toxins								
07. Traumatic Psychoses	2		2					
08. With Cerebral Arteriosclerosis								
09. With Other Disturbances of Circulation								
10. With Convulsive Disorders (Epilepsy)								
11. Senile Psychoses								
12. Involutional Psychoses								
13. Due to Other Metabolic, etc., Disorders	1		1					
14. Due to New Growth								
15. With Organic Changes of Nervous System								
16. Psychoneuroses	4	3	2	1	1			
17. Manic-Depressive Psychoses	3	1	1	1	2			
18. Dementia Praecox (Schizophrenia)	1	1	1		2			
19. With Organic and Parasitoid Conditions								
20. With Psychopathic Personality								
21. With Mental Deficiency								
22. Undiagnosed Psychoses								
Without Psychoses								
23a. Epilepsies Not Psychotic or Febrile-Induced								
23b. Epilepsies Who Are Febrile-Induced								
23c. Alcoholism	1			1				
23d. Drug Addiction								
23e. Mental Deficiency	2	1	1		1			
23f. Disorders of Personality								
23g. Psychopathic Personality								
24. Primary Behaviour Disorders								
TOTALS 1-22	11	2	13	1	1	2	4	
TOTALS 23-24	3	1	4		1	1	1	
GRAND TOTALS	14	3	17	1	2	3	5	
				4	1	5	4	
				3	1	4	3	
				1	1	1	1	
				3	1	4	3	
				1	1	1	1	
				4	1	5	4	

TABLE H  
DISCHARGES BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP									
	Under 10	10-14	15-19	20-24	25-29	30-34	35-39	40-44		
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
01. With Syphilitic Meningo-Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
02. With Other Forms of Syphilis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
03. With Epidemic Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
04. With Other Infectious Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
05. Alcoholic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
06a. Due to Opium and Other Drugs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
06b. Due to Other Exogenous Toxins.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
07. Traumatic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
08. With Cerebral Arteriosclerosis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
09. With Other Disturbances of Circulation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10. With Convulsive Disorders (Epilepsy).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11. Senile Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12. Involutional Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13. Due to Other Metabolic, etc., Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14. Due to New Growth.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15. With Organic Changes of Nervous System.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16. Psychoneuroses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17. Manic-Depressive Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18. Dementia Praecox (Schizophrenia).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19. Paranoia and Paranoid Conditions.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20. With Psychopathic Personality.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21. With Mental Deficiency.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22. Undiagnosed Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
231a. Epileptics Not Psychotic or Feeble-minded.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
231b. Epileptics Who Are Feeble-minded.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
232. Alcoholism.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
233. Drug Addiction.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
234. Mental Deficiency.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
235. Disorders of Personality.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
236. Psychopathic Personality.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24. Primary Behaviour Disorders.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS J 22.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS 23-24.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
GRAND TOTALS.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

WITH PSYCHOSES

WITHOUT PSYCHOSES

TABLE II (Concl'd)  
DISCHARGES BY AGE AND DIAGNOSIS

DIAGNOSIS	AGE GROUP (Concl'd)							UNASCERTAINED	TOTAL
	45-49	50-54	55-59	60-64	65-69	70 AND OVER			
01. With Syphilitic Meningo-Encephalitis									
02. With Other Forms of Syphilis									
03. With Epidemic Encephalitis									
04. With Other Infectious Diseases									
05. Alcoholic Psychoses									
06a. Due to Opium and Other Drugs									
06b. Due to Other Exogenous Toxins									
07. Traumatic Psychoses				2	2				4
08. With Cerebral Arteriosclerosis									
09. With Other Disturbances of Circulation									
10. With Convulsive Disorders (Epilepsy)									
11. Senile Psychoses									
12. Involutional Psychoses									
13. Due to Other Metabolic, etc., Diseases									
14. With New Growth									
15. With Organic Changes of Nervous System									
16. Psychoneuroses	2	2							4
17. Manic-Depressive Psychoses			1		1				2
18. Dementia Praecox (Schizophrenia)									
19. Paranoia and Paranoid Conditions									
20. With Psychopathic Personality									
21. With Mental Deficiency									
22. Undiagnosed Psychoses									
231a. Epileptics Not Psychotic or Feeble-minded									1
231b. Epileptics Who Are Feeble-minded									1
232. Alcoholism									
233. Drug Addiction									
234. Mental Deficiency									2
235. Disorders of Personality									1
236. Psychopathic Personality									1
24. Primary Behaviour Disorders									
TOTALS 1-22	2	2	1	2	1	1			11
TOTALS 23-24									3
GRAND TOTALS	2	2	1	2	1	1			14

WITH PSYCHOSES

WITHOUT PSYCHOSES

**TABLE I**  
**DEATHS BY AGE, SEX AND DIAGNOSIS**

DIAGNOSIS	AGE GROUP							
	UNDER 10	10-14	15-19	20-24	25-29	30-34	35-39	40-44
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
01. With Syphilitic Meningo-Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	.....
02. With Other Forms of Syphilis.....	.....	.....	.....	.....	.....	.....	.....	.....
03. With Epidemic Encephalitis.....	.....	.....	.....	.....	.....	.....	.....	.....
04. With Other Infectious Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....
05. Alcoholic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....
06a. Due to Opium and Other Drugs.....	.....	.....	.....	.....	.....	.....	.....	.....
06b. Due to Other Exogenous Toxins.....	.....	.....	.....	.....	.....	.....	.....	.....
07. Traumatic Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....
08. With Cerebral Arteriosclerosis.....	.....	.....	.....	.....	.....	.....	.....	.....
09. With Other Disturbances of Circulation.....	.....	.....	.....	.....	.....	.....	.....	.....
10. With Convulsive Disorders (Epilepsy).....	.....	.....	.....	.....	.....	.....	.....	.....
11. Senile Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....
12. Involutional Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....
13. Due to Other Metabolic, etc., Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....
14. Due to New Growth.....	.....	.....	.....	.....	.....	.....	.....	.....
15. With Organic Changes of Nervous System.....	.....	.....	.....	.....	.....	.....	.....	.....
16. Psychoneuroses.....	.....	.....	.....	.....	.....	.....	.....	.....
17. Manic-Depressive Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....
18. Dementia Praecox (Schizophrenia).....	.....	.....	.....	.....	.....	.....	.....	.....
19. Paranoia and Paranoid Conditions.....	.....	.....	.....	.....	.....	.....	.....	.....
20. With Psychopathic Personality.....	.....	.....	.....	.....	.....	.....	.....	.....
21. With Mental Deficiency.....	.....	.....	.....	.....	.....	.....	.....	.....
22. Undiagnosed Psychoses.....	.....	.....	.....	.....	.....	.....	.....	.....
231a. Epilepsies Not Psychotic or Feeble-minded.....	.....	.....	.....	.....	.....	.....	.....	.....
231b. Epilepsies Who Are Feeble-minded.....	.....	.....	.....	.....	.....	.....	.....	.....
232. Alcoholic.....	.....	.....	.....	.....	.....	.....	.....	.....
233. Drug Addiction.....	.....	.....	.....	.....	.....	.....	.....	.....
234. Mental Deficiency.....	.....	.....	.....	.....	.....	.....	.....	.....
235. Disorders of Personality.....	.....	.....	.....	.....	.....	.....	.....	.....
236. Psychopathic Personality.....	.....	.....	.....	.....	.....	.....	.....	.....
24. Primary Behaviour Disorders.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS 1-22.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS 23-24.....	.....	.....	.....	.....	.....	.....	.....	.....
GRAND TOTALS.....	.....	.....	.....	.....	.....	.....	.....	.....

WITH PSYCHOSIS

WITHOUT PSYCHOSIS

TABLE I (Concl'd)  
DEATHS BY AGE, SEX AND DIAGNOSIS

DIAGNOSIS	AGE GROUP (Concl'd)										TOTAL								
	45-49	50-54	55-59	60-64	65-69	70 AND OVER	UNASSEMBLED			M. F. T.									
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.		M. F. T.	M. F. T.							
01. With Syphilitic Meningo-Encephalitis																			
02. With Other Forms of Syphilis																			
03. With Epidemic Encephalitis																			
04. With Other Infectious Diseases	1										1								
05. Alcoholic Psychoses																			
06a. Due to Opium and Other Drugs																			
06b. Due to Other Exogenous Toxins																			
07. Traumatic Psychoses																			
08. With Cerebral Arteriosclerosis					1	1	1	1			1	1							
09. With Other Disturbances of Circulation																			
10. With Convulsive Disorders (Epilepsy)							1	1	1		1	1							
11. Senile Psychoses																			
12. Involutional Psychoses																			
13. Due to Other Metabolic, etc., Diseases																			
14. Due to New Growth																			
15. With Organic Changes of Nervous System																			
16. Psychoneuroses																			
17. Manic-Depressive Psychoses				1		1	1	1	2	2	2	1							
18. Dementia Praecox (Schizophrenia)	2	2	2	2	2	2	2	2	2	2	2	1							
19. Paranoia and Paranoid Conditions																			
20. With Psychopathic Personality																			
21. With Mental Deficiency																			
22. Undiagnosed Psychoses																			
23a. Epileptics Not Psychotic or Feeble-minded																			
23b. Epileptics Who Are Feeble-minded																			
232. Alcoholism																			
233. Drug Addiction																			
234. Mental Deficiency	1						1	1											
235. Disorders of Personality																			
236. Psychopathic Personality																			
24. Primary Behaviour Disorders																			
TOTALS 1-22	3	2	5	2	2	2	3	3	6	3	1	4	2	4	6	20	24	41	
TOTALS 23-24	1		1					1	1								3	6	9
GRAND TOTALS	4	2	6	2	2	2	3	4	7	3	1	4	2	4	6	23	30	53	

WITH PSYCHOSIS

WITHOUT PSYCHOSIS







# DEPARTMENT OF HEALTH

SEVENTY-FOURTH ANNUAL REPORT

UPON THE

Public Hospitals, Private Hospitals  
Hospitals for Incurables  
Convalescent Hospitals

AND

Sanatoria for Consumptives

OF THE

## PROVINCE OF ONTARIO

FOR THE YEAR WHICH ENDED 31st DECEMBER

# 1943

PRINTED BY ORDER OF  
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ONTARIO

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TORONTO

Printed and Published by T. E. Bowman,  
Printer to the King's Most Excellent Majesty

1944



Parliament Buildings,  
Toronto, April 4, 1944

TO THE HONOURABLE ALBERT MATTHEWS,  
*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit to Your Honour the Seventy-fourth Annual Report on the Hospitals and Sanatoria of the Province of Ontario, for the year which ended December 31, 1943.

Respectfully submitted,

R. P. VIVIAN, M.D.,  
*Minister of Health*



Parliament Buildings,  
Toronto, April 4, 1944

THE HONOURABLE R. P. VIVIAN, M.D.,  
*Minister of Health*

SIR:

I have the honour to submit to you the Seventy-fourth Annual Report on the Hospitals and Sanatoria of the Province of Ontario, for the year which ended December 31, 1943.

I have the honour to be, Sir,

Your obedient servant,

C. J. TELFER,  
*Inspector of Hospitals*

# Hospitals

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Herein is presented a detailed report on General, Red Cross and Convalescent Hospitals, Hospitals for Incurables and Sanatoria for Consumptives, operating in the Province of Ontario, as compiled from the Financial and Statistical Statements submitted for the year which ended December 31, 1943.

There were 172 institutions in operation and participating in Provincial grants during the year. These are classified as follows:

117 General Hospitals	3 Convalescent Hospitals
28 Red Cross Hospitals	3 Convalescent Summer Camps for Children
8 Hospitals for Incurables	13 Sanatoria for Consumptives

The number of patients, together with the number of days' treatment is indicated in the summary on the opposite page. In Public General Hospitals, exclusive of Red Cross Outposts, there was an increase in the number of patients treated of 22,963 over the previous year, and a increase of 270,280 days' treatment. The average number of patients in hospital daily was 12,582 or 1,049 more than the previous year.

Operating costs (in General Hospitals only) increased by \$1,977,120.70 over the previous year. The following revenue increases and decreases (in General Hospitals) are noted:

From patients, increased.....	\$1,945,101.19
From investments, increased.....	33,377.54
From donations, decreased.....	105,054.12
From municipalities, decreased .....	162,729.56
From Provincial Government, decreased.....	111,497.10
(Statutory per diem grants)	

The net increase in revenue for the year amounted to \$1,599,197.95.

Executives and officers of the several institutions reported herein are requested to study the various tables, comparing their hospitals with those of similar size and capacity.

During the year one children's hospital and three Red Cross outposts were closed, the latter temporarily. These are as follows:

Protestant Children's Hospital, Ottawa, closed June 30, 1943.

Red Cross Outposts at Kakabeka Falls, Coe Hill and Quibell were closed August 31, 1943.

On pages 30-31 of this report will be found information concerning the 61 private hospitals licensed during the year under report.

C. J. TELFER,  
*Inspector of Hospitals*

## CONSOLIDATED STATEMENT GIVING CERTAIN STATISTICAL AND FINANCIAL INFORMATION

For the Year Ended December 31, 1943

	General Hospitals	Red Cross Outposts	Hospitals for Incurables	Convalescent Hospitals	TOTALS
Bed Capacity, Adults and Children.....	13,517	370	1,429	342	15,658
Nursery Bassinets.....	2,116	55	.....	.....	2,201
Percentage of Bed Occupancy for Year.....	79.1	47.4	98.4	.....	.....
Number of Live Births during Year.....	56,777	1,401	.....	.....	58,178
Number of Deaths, Including Still-births, during Year.....	16,013	306	659	3	16,981
Total Number of Patients Treated during Year.....	388,477	9,382	2,331	1,589	401,779
Total Collective Days' Stay of All Patients.....	4,514,719	78,748	513,395	68,496	5,175,358
<b>Number of Staff and Employees:</b>					
Graduate Nurses.....	2,820	89	139	30	3,078
Pupil Nurses.....	3,338	.....	.....	.....	3,338
Probationer Nurses.....	970	.....	.....	.....	970
Other Graduate and Professional Staff.....	517	2	17	7	543
Orderlies.....	389	12	41	2	444
All Other Employees.....	6,232	91	554	101	6,978
<b>TOTAL STAFF AND EMPLOYEES</b> .....	<b>14,266</b>	<b>194</b>	<b>751</b>	<b>140</b>	<b>15,351</b>
<b>OPERATING REVENUE</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Income from Patients for Maintenance and Treatment	14,526,657.63	224,753.93	291,722.16	66,674.22	15,109,807.94
Income from Municipalities for Maintenance and Treatment of Patients.....	1,961,868.57	8,644.30	526,816.51	45,839.75	2,543,169.13
Grants from Government for Maintenance and Treatment of Patients.....	764,568.73	16,687.25	178,868.00	18,031.05	978,155.03
Grants from Government for Special Clinics, Radio-therapy, etc.....	135,658.14	.....	.....	.....	135,658.14
<b>TOTAL OPERATING REVENUE</b> .....	<b>17,388,753.07</b>	<b>250,085.48</b>	<b>997,406.67</b>	<b>130,545.02</b>	<b>18,766,790.24</b>
<b>NON-OPERATING REVENUE</b>					
Income from Property, Investments, Endowments, etc., and Miscellaneous.....	495,667.51	1,281.24	17,640.30	11,436.95	526,026.00
Income from Donations, Bequests and Other Gratuitous Sources.....	661,759.78	22,704.64	30,350.69	25,158.64	739,973.75
Grants from Municipalities for Building, Debentures, Capital, etc.....	212,368.80	.....	.....	.....	212,368.80
<b>TOTAL NON-OPERATING REVENUE</b> .....	<b>1,369,796.09</b>	<b>23,985.88</b>	<b>47,990.99</b>	<b>36,595.59</b>	<b>1,478,368.53</b>
<b>Total Revenue</b> .....	<b>18,758,549.16</b>	<b>274,071.36</b>	<b>1,045,397.66</b>	<b>167,140.61</b>	<b>20,245,158.79</b>
<b>OPERATING EXPENSE</b>					
Total Cost of Dieteries.....	3,308,587.99	51,559.97	223,081.12	43,084.60	3,626,313.68
Total Cost of Salaries and Wages.....	8,647,485.26	177,298.54	534,956.85	83,499.67	9,443,240.32
Other Operating Expense.....	5,233,298.50	98,630.26	221,719.73	41,693.14	5,595,341.63
<b>TOTAL OPERATING EXPENSE</b> .....	<b>17,189,371.75</b>	<b>327,488.77</b>	<b>979,757.70</b>	<b>168,277.41</b>	<b>18,664,895.63</b>
Interest and Sinking Fund Charges.....	324,151.80	.....	13,080.76	.....	337,232.56
<b>Total Cost</b> .....	<b>17,513,523.55</b>	<b>327,488.77</b>	<b>992,839.46</b>	<b>168,277.41</b>	<b>19,002,128.19</b>
Average Per Capita Cost (Exclusive of Depreciation, Doubtful Accounts, Interest and Sinking Fund Chgs.)	4.24	4.16	1.91	2.46	.....

NOTE.—Lockwood Clinic total days 8,548 deleted in figuring per capita cost, as financial statement was not submitted.

## PUBLIC HOSPITALS

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Jan. 1, 1943	Patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	Deaths during year	Still-births during year	Patients in residence, Dec. 31, 1943
		Adults and children	Nursery								
<b>GROUP 1</b>											
Capacity, 1 to 25 Beds											
Bowmanville Hospital.....	Bowmanville .....	18	5	23	605	206	834	780	38	6	16
Haldimand War Memorial.....	Dunnville.....	15	9	20	479	162	661	610	24	4	27
Red Cross Memorial.....	Durham.....	19	5	11	198	35	244	206	29	1	9
Hanover Memorial.....	Hanover.....	17	5	9	305	113	427	399	19	5	9
Notre Dame.....	Hawkesbury.....	18	3	16	660	69	745	716	20	5	9
Rosedale War Memorial.....	Matheson.....	14	4	5	155	41	201	190	6	2	5
Louise Marshall.....	Mount Forest.....	16	5	7	160	71	238	216	13	2	9
Niagara Cottage.....	Niagara-on-Lake.....	11	4	13	241	81	335	316	11	.....	8
Palmerston General.....	Palmerston.....	10	7	12	465	62	539	512	11	2	16
General.....	Penetanguishene.....	16	5	1	409	106	527	491	24	3	12
Sioux Lookout General.....	Sioux Lookout.....	16	4	10	589	65	664	617	22	5	25
Wingham General.....	Wingham.....	20	5	8	405	114	527	480	26	3	21
<b>TOTALS</b> .....	.....	<b>190</b>	<b>61</b>	<b>146</b>	<b>4,671</b>	<b>1,125</b>	<b>5,942</b>	<b>5,533</b>	<b>243</b>	<b>38</b>	<b>166</b>
<b>GROUP 2</b>											
Capacity, 26 to 50 Beds											
Stevenson Memorial.....	Alliston.....	32	4	21	495	129	645	594	33	6	18
Rosamond Memorial.....	Almonte.....	20	6	27	550	189	766	720	30	5	16
St. Joseph's.....	Blind River.....	38	5	28	422	56	506	460	22	7	24
Lady Minto.....	Chapleau.....	26	7	22	530	86	638	598	17	.....	23
Clinton Public.....	Clinton.....	24	7	13	454	144	611	572	23	2	16
Groves Memorial.....	Fergus.....	28	5	13	459	127	599	565	13	1	21
Douglas Memorial.....	Fort Erie.....	35	15	21	1,305	273	1,599	1,522	50	8	27
La Verendrye.....	Fort Frances.....	44	6	33	1,412	181	1,626	1,535	46	3	45
Alexandra Marine & Gen. Misericordia.....	Goderich.....	42	8	28	743	164	935	842	55	11	38
Alexandra.....	Haileybury.....	30	5	36	841	74	951	880	31	5	37
Anson General.....	Ingersoll.....	32	10	30	793	187	1,010	947	36	7	18
Kincardine General.....	Iroquois Falls.....	32	6	19	687	95	801	764	19	2	20
Memorial Hospital.....	Kincardine.....	37	8	13	583	142	738	687	31	3	26
General.....	Listowel.....	36	7	22	876	161	1,059	999	34	8	32
York County.....	Mattawa.....	44	6	38	449	64	551	499	26	1	25
Queen Victoria Memorial.....	Midland.....	42	8	38	1,039	228	1,305	1,216	64	6	27
Lord Dufferin.....	Newmarket.....	32	7	22	1,782	286	1,494	1,414	53	11	37
Willett.....	North Bay.....	36	3	22	1,012	179	1,213	1,148	34	6	31
Parry Sound General.....	Orangeville.....	24	7	19	668	142	829	767	44	7	18
Charlotte E. Englehart.....	Paris.....	37	8	22	420	141	583	516	43	3	24
Scott Memorial.....	Parry Sound.....	24	7	25	829	143	997	934	32	6	31
St. Francis General.....	Petrolia.....	29	6	25	776	230	1,031	946	59	9	32
Porcupine General.....	Seaford.....	21	6	17	335	140	692	635	39	.....	18
Strathroy General.....	Smith's Falls.....	35	5	28	452	58	538	485	22	1	31
Strathroy General.....	South Porcupine.....	30	12	14	651	156	821	784	17	8	20
St. Jean de Brebeuf.....	Strathroy.....	41	6	28	612	181	821	736	49	3	36
Soldiers' Memorial.....	Sturgeon Falls.....	33	7	30	722	92	844	765	41	4	38
Lockwood Clinic.....	Tiltsburg.....	32	9	30	1,311	295	1,636	1,530	69	11	37
Mothercraft.....	Toronto.....	40	.....	16	1,034	.....	1,050	1,002	29	.....	19
County of Bruce Gen. ....	Toronto.....	26	30	22	479	.....	501	476	.....	.....	25
.....	Walkerton.....	31	6	27	746	149	922	854	45	8	23
<b>TOTALS</b> .....	.....	<b>1,022</b>	<b>233</b>	<b>753</b>	<b>23,067</b>	<b>4,492</b>	<b>28,312</b>	<b>26,386</b>	<b>1,100</b>	<b>152</b>	<b>826</b>
<b>GROUP 3</b>											
Capacity, 51 to 100 Beds											
Royal Victoria.....	Barrie.....	65	14	61	2,074	465	2,600	2,478	75	12	47
Peel Memorial.....	Brampton.....	43	9	27	1,276	326	1,629	1,529	59	10	41
St. Vincent de Paul.....	Brockville.....	69	5	41	1,450	208	1,699	1,560	74	7	65
Cobourg General.....	Cobourg.....	42	16	21	743	168	932	865	42	7	25
Lady Minto.....	Cochrane.....	62	8	51	568	140	759	684	37	7	38
General and Marine.....	Collingwood.....	62	11	51	1,346	251	1,618	1,539	64	10	45
Cornwall General.....	Cornwall.....	71	16	50	1,709	235	1,994	1,866	70	11	58
Galt Hospital.....	Galt.....	75	16	48	1,919	399	2,366	2,202	103	15	60
St. Paul's.....	Hearst.....	67	7	33	1,712	150	1,895	1,802	43	10	51
Kenora General.....	Kenora.....	52	5	35	782	129	946	865	39	8	42
St. Joseph's.....	Kenora.....	52	12	24	695	126	845	795	16	2	34
The Ross Memorial.....	Lindsay.....	52	8	58	1,413	371	1,842	1,677	104	20	61
Orillia Soldiers' Memorial.....	Orillia.....	69	11	62	2,129	348	2,539	2,367	99	15	73
Protestant Children's*.....	Ottawa.....	55	21	47	.....	499	493	.....	6	.....	.....
Salvation Army Grace.....	Ottawa.....	57	40	97	2,380	1,690	4,167	4,014	45	44	108
St. Joseph's General.....	Parry Sound.....	56	8	25	1,219	268	1,512	1,452	36	5	24
Pembroke Cottage.....	Pembroke.....	50	8	36	1,433	241	1,680	1,572	54	4	54
Great War Memorial.....	Perth.....	44	8	61	1,236	201	1,498	1,387	57	5	54
Prince Edward County.....	Picton.....	43	11	33	952	276	1,261	1,152	62	5	47

\*Closed June 30, 1943.



## PUBLIC HOSPITALS (Cont'd)

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Jan. 1, 1943	Patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	Deaths during year	Still-births during year	Patients in residence, Dec. 31, 1943	
		Adults and children	Nursery									
Group 3 (Cont'd)												
The Port Hope Hospital	Port Hope	45	6	13	770	152	935	874	39	3	22	
Victoria	Renfrew	69	11	40	1,077	282	1,399	1,297	52	11	50	
Plummer Memorial	Sault Ste. Marie	52	12	52	1,700	338	2,090	2,001	51	11	38	
Norfolk General	Simcoe	50	22	49	1,569	420	2,038	1,900	78	12	60	
Smith's Falls Public	Smith's Falls	60	8	31	894	138	1,063	988	40	7	35	
Salvation Army Grace	Toronto	54	37	100	2,291	1,642	4,033	3,916	27	44	90	
Woodstock General	Woodstock	85	15	60	2,128	415	2,603	2,431	111	8	61	
TOTALS		1,501	327	1,180	35,943	9,349	46,472	43,706	1,483	293	1,283	
GROUP 4 Capacity, 101 to 200 Beds												
Brockville General	Brockville	103	11	73	2,179	282	2,534	2,326	106	7	102	
Public General	Chatham	118	24	85	3,750	518	4,353	4,090	171	12	92	
St. Joseph's	Chatham	117	24	78	3,095	639	3,812	3,571	141	18	100	
Hotel Dieu	Cornwall	124	14	84	3,235	480	3,799	3,592	115	14	92	
Guelph General	Guelph	92	18	76	2,090	322	2,488	2,262	141	11	85	
St. Joseph's	Guelph	86	17	80	1,829	333	2,242	2,083	80	9	79	
Hotel Dieu	Kingston	184	16	124	3,956	627	4,707	4,443	110	16	154	
Kitchener-Waterloo	Kitchener	113	27	109	3,335	636	4,080	3,844	125	21	111	
St. Mary's	Kitchener	106	18	82	2,977	603	3,662	3,436	148	12	78	
Niagara Falls General	Niagara Falls	120	18	86	3,931	732	4,749	4,490	141	21	118	
St. Joseph's General	North Bay	113	12	58	1,902	237	2,197	2,080	66	5	51	
Oshawa General	Oshawa	128	31	116	4,668	803	5,587	5,321	148	17	118	
General and Marine	Owen Sound	85	16	69	2,213	456	2,738	2,546	122	14	70	
General	Pembroke	115	10	63	1,969	289	2,321	2,159	82	11	80	
Nicholl's	Peterborough	122	19	95	2,518	457	3,070	2,826	141	10	103	
St. Joseph's	Peterborough	95	22	72	2,429	507	3,008	2,839	93	22	76	
General	Port Arthur	135	16	101	2,722	427	3,250	3,082	82	14	86	
St. Catharines General*	St. Catharines	157	18	139	5,066	1,006	6,211	5,880	205	29	126	
Memorial	St. Thomas	111	33	84	3,099	709	3,892	3,620	154	17	118	
Sarnia General	Sarnia	132	30	108	3,596	685	4,389	4,088	170	21	131	
General	Sault Ste. Marie	97	13	63	2,356	458	2,877	2,701	106	12	70	
Stratford General	Stratford	118	21	80	2,433	528	3,041	2,798	147	6	96	
St. Mary's	Timmins	130	26	78	3,416	480	3,974	3,808	97	15	69	
Mt. Sinai	Toronto	82	20	94	3,621	1,039	4,754	4,573	86	25	95	
Toronto East General	Toronto	150	32	152	4,456	1,217	5,825	5,406	242	43	177	
Wellesley	Toronto	98	17	88	3,086	443	3,617	3,443	79	13	95	
Women's College	Toronto	140	45	124	4,468	1,367	5,959	5,760	78	22	121	
Welland County General	Welland	100	25	94	3,165	762	4,021	3,811	122	25	88	
Metropolitan General	Windsor	116	26	129	5,134	804	6,067	5,759	177	12	131	
Salvation Army Grace	Windsor	105	15	146	4,876	906	5,928	5,609	182	30	137	
TOTALS		3,492	636	2,830	97,570	18,752	119,152	112,246	3,857	504	3,049	
GROUP 5 Capacity, 201 Beds and Over												
Belleville General	Belleville	180	33	112	5,153	976	6,241	5,832	260	30	149	
Brantford General**	Brantford	234	20	178	4,562	891	5,631	5,178	251	18	202	
McKellar General	Fort William	214	30	160	5,164	718	5,982	5,665	164	20	153	
Hamilton General†	Hamilton	754	117	550	16,619	3,266	20,435	18,916	933	86	586	
St. Joseph's	Hamilton	175	30	152	5,147	908	6,297	5,966	188	23	143	
Kingston General‡	Kingston	328	25	221	8,116	821	9,158	8,651	245	29	262	
St. Joseph's	London	258	34	182	3,335	991	4,708	4,424	149	18	194	
Victoria††	London	543	50	331	8,975	1,019	10,325	9,478	467	35	380	
Ottawa Civic	Ottawa	540	60	613	14,088	1,738	16,439	15,291	611	66	537	
Ottawa General	Ottawa	370	25	233	7,274	714	8,221	7,668	309	43	244	
St. Joseph's General	Port Arthur	200	26	117	3,400	417	3,924	3,687	138	11	109	
St. Joseph's	Sudbury	198	41	139	6,226	1,327	7,692	7,313	237	44	142	
Hosp. for Sick Children	Toronto	432		293	8,567		8,860	8,157			327	
St. Joseph's	Toronto	315	26	276	7,888	1,220	9,384	8,787	341	32	256	
St. Michael's	Toronto	643	45	540	12,716	1,833	15,089	13,768	780	40	541	
Toronto General	Toronto	1,144	175	932	21,830	2,505	25,267	23,031	1,287	75	949	
Toronto Western	Toronto	518	72	506	11,639	2,167	14,312	13,279	565	60	468	
Hotel Dieu	Windsor	266	50	151	7,015	1,458	8,624	8,189	256	31	179	
TOTALS		7,312	859	5,686	159,854	23,059	188,599	175,096	7,682	661	5,821	
GRAND TOTALS: Public General Hospitals												
Public General Hospitals		13,517	2,116	10,595	321,105	56,777	388,447	362,967	14,365	1,648	11,145	
Red Cross Outposts		370	85	189	7,792	1,401	9,382	8,901	260	46	221	
GRAND TOTALS incl. Red Cross		13,887	2,201	10,784	328,897	58,178	397,859	371,868	14,625	1,694	11,366	

\*Includes 12 isolation beds with 13 patients.

†Includes 10 isolation beds with 44 patients.

\*\*Includes 28 isolation beds with 142 patients.

††Includes 43 isolation beds with 151 patients.

‡Includes 20 isolation beds with 275 patients.

‡‡Includes 22 isolation beds with 145 patients.

## PUBLIC HOSPITALS (Cont'd)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days, adults and children, for year	Total days, infants born, for year	Total patient days, all patients, for year	Average number of patients in hospital daily	Number of graduate nurses	Number of other employees, incl. nurses-in-training	Percentage of adult beds occupied during year	Percentage of beds occupied during year, includ. bassinets
<b>GROUP 1</b>										
Capacity, 1 to 25 Beds										
Bowmanville Hospital	Bowmanville	834	5,968	1,993	7,961	22	5	15	% 90.8	% 94.8
Haldimand War Memorial	Dunnville	661	4,844	1,562	6,406	18	8	7	88.4	73.1
Red Cross Memorial	Durham	244	3,884	410	4,294	12	5	4	56.0	49.0
Hanover Memorial	Hanover	427	3,403	1,078	4,481	12	4	5	54.8	55.8
Notre Dame	Hawkesbury	745	5,861	654	6,515	18	2	15	89.2	85.0
Rosedale War Memorial	Matheson	291	1,137	407	1,544	4	3	5	22.2	23.5
Louise Marshall	Mount Forest	298	2,572	794	3,366	9	2	5	44.0	43.9
Niagara Cottage	Niagara-on-Lake	335	3,031	726	3,757	10	5	4	75.5	68.6
Palmerston General	Palmerston	539	4,177	590	4,767	13	5	5	114.4	76.8
General	Penetanguishene	527	5,165	1,115	6,281	17	6	4	88.4	81.9
Sioux Lookout General	Sioux Lookout	664	6,495	544	7,039	19	6	8	111.2	96.4
Wingham General	Wingham	527	4,842	1,149	5,991	16	4	8	66.3	65.6
<b>TOTALS</b>		<b>5,942</b>	<b>51,380</b>	<b>11,022</b>	<b>62,402</b>	<b>170</b>	<b>55</b>	<b>85</b>	<b>74.1</b>	<b>68.1</b>
<b>GROUP 2</b>										
Capacity, 26 to 50 Beds										
Stevenson Memorial	Alliston	645	6,506	1,242	7,748	21	10	7	55.7	58.9
Rosamond Memorial	Almonte	766	5,922	1,975	7,897	22	8	6	81.1	83.2
St. Joseph's General	Blind River	506	7,127	1,060	8,187	22	3	11	51.2	52.2
Lady Minto	Chapleau	638	7,342	722	8,064	22	6	9	77.4	66.9
Clinton Public	Clinton	611	5,221	1,757	6,978	19	4	14	59.6	61.7
Groves Memorial	Fergus	599	5,697	1,203	6,900	19	6	11	55.7	57.3
Douglas Memorial	Fort Erie	1,599	11,597	2,665	14,262	39	15	18	90.8	78.1
La Verendrye	Fort Frances	1,626	13,431	1,659	15,090	41	6	23	83.6	82.7
Alexandra Marine & Gen.	Goderich	935	10,766	1,809	12,575	34	12	11	70.2	68.9
Misericordia	Haileybury	951	13,329	561	13,890	38	4	15	121.7	108.7
Alexandra	Ingersoll	1,010	8,918	2,114	11,032	30	12	5	76.3	72.0
Anson General	Iroquois Falls	801	6,744	893	7,637	21	8	7	57.7	55.0
Kincardine General	Kincardine	738	5,441	1,111	6,552	18	7	6	40.3	40.0
Memorial Hospital	Listowel	1,059	7,170	1,534	8,704	24	10	8	54.6	55.5
General	Mattawa	551	11,829	609	12,438	34	1	18	73.6	68.1
St. Andrew's	Midland	1,305	13,424	2,249	15,673	43	7	26	87.6	85.9
York County	Newmarket	1,494	11,164	2,720	13,884	38	16	12	95.6	95.1
Queen Victoria Memorial	North Bay	1,213	9,245	1,889	11,134	30	17	16	58.9	61.0
Lord Dufferin	Orangeville	829	7,810	1,602	9,412	26	8	12	82.3	88.9
Willett	Paris	583	7,609	1,384	8,993	25	8	8	56.3	54.7
Parry Sound General	Parry Sound	997	10,018	1,452	11,470	31	5	11	114.3	101.4
Charlotte E. Englehart	Petrolia	1,031	9,044	2,108	11,152	30	15	14	85.4	87.3
Scott Memorial	Seaforth	692	6,348	1,528	7,876	22	6	13	82.8	79.9
St. Francis General	Smith's Falls	538	9,982	702	10,684	29	12	11	78.1	73.2
Porcupine General	South Porcupine	821	5,996	1,732	7,728	21	10	11	54.8	50.4
Strathroy General	Strathroy	821	10,847	1,816	12,663	35	9	19	72.4	73.8
St. Jean de Brebeuf	Sturgeon Falls	844	11,372	1,112	12,484	34	8	12	94.4	85.5
Soldiers' Memorial	Tilsonburg	1,636	12,169	2,748	14,917	41	16	12	104.2	99.7
Lockwood Clinic	Toronto	1,050	8,548		8,548	23	10	34	58.5	
Mothercraft	Toronto	501	8,595		8,595	24	4	37	90.6	42.0
County of Bruce General	Walkerton	922	8,095	1,226	9,321	26	10	9	71.5	69.0
<b>TOTALS</b>		<b>28,312</b>	<b>277,306</b>	<b>45,182</b>	<b>322,488</b>	<b>882</b>	<b>273</b>	<b>432</b>	<b>74.3</b>	<b>70.4</b>
<b>GROUP 3</b>										
Capacity, 51 to 100 Beds										
Royal Victoria	Barrie	2,600	19,230	4,941	24,171	66	10	61	81.0	83.8
Peel Memorial	Brampton	1,629	11,316	3,402	14,718	40	11	18	72.1	77.5
St. Vincent de Paul	Brockville	1,699	19,417	2,356	21,773	60	26	35	77.1	80.6
Cobourg General	Cobourg	932	7,148	1,659	8,807	24	9	15	46.6	41.6
Lady Minto	Cochrane	759	15,021	1,449	16,470	45	11	17	66.4	64.5
General and Marine	Collingwood	1,648	17,081	2,797	19,878	54	9	33	75.4	71.6
Cornwall General	Cornwall	1,994	20,522	2,823	23,345	64	20	63	79.2	73.5
Galt Hospital	Galt	2,366	21,244	3,897	25,141	69	41	35	77.6	75.7
St. Paul's	Hearst	1,895	20,100	1,517	21,617	59	10	26	82.2	80.0
Kenora General	Kenora	946	10,376	1,239	11,615	32	6	22	54.7	55.8
St. Joseph's	Kenora	845	9,737	1,144	10,881	30	7	21	51.3	46.6
The Ross Memorial	Lindsay	1,842	17,530	3,673	21,203	58	10	47	92.6	96.8
Orillia Soldiers' Memorial	Orillia	2,539	21,195	3,859	28,054	77	16	57	96.1	96.1
Protestant Children's*	Ottawa	499	1,950		4,950	27	8	14	49.7	
Salvation Army Grace	Ottawa	4,167	22,976	19,087	42,063	115	12	57	110.4	118.8
St. Joseph's General	Parry Sound	1,512	10,186	2,603	12,789	35	5	26	49.8	54.7
Pembroke Cottage	Pembroke	1,680	15,395	2,534	17,929	49	19	16	84.3	84.7
Great War Memorial	Perth	1,498	15,519	2,283	17,832	49	21	20	96.8	93.9
Prince Edward County	Picton	1,261	10,488	2,804	13,292	36	11	19	66.8	67.4

\*Closed June 30, 1943.

## PUBLIC HOSPITALS (Cont'd)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days, adults and children, for year	Total days, infants born, for year	Total patient days, all patients, for year	Average number of patients in hospital daily	Number of graduate nurses	Number of other employees, incl. nurses-in-training	Percentage of adult beds occupied during year	Percentage of beds occupied during year, incl. bassinets
Group 3 (Cont'd)										
The Port Hope Hospital.....	Port Hope.....	935	7,254	1,433	8,687	24	7	14	44.2	46.7
Victoria.....	Renfrew.....	1,399	13,686	2,823	16,509	45	7	33	54.3	56.5
Plummer Memorial.....	Sault Ste. Marie.....	2,090	16,499	3,247	19,746	54	18	43	86.9	84.5
Norfolk General.....	Simcoe.....	2,038	17,265	4,077	21,342	58	28	31	94.6	81.1
Smith's Falls Public.....	Smith's Falls.....	1,063	13,977	1,422	15,399	42	22	11	63.8	62.0
Salvation Army Grace.....	Toronto.....	4,033	20,741	16,896	37,637	103	23	65	105.2	113.3
Woodstock General.....	Woodstock.....	2,603	23,562	4,418	27,980	77	20	77	75.9	76.6
TOTALS.....		46,472	405,445	98,383	503,828	1,392	387	876	75.9	77.1
GROUP 4										
Capacity, 101 to 200 Beds										
Brockville General.....	Brockville.....	2,534	28,903	3,159	32,062	88	12	82	76.9	77.0
Public General.....	Chatham.....	4,353	33,312	5,401	38,713	106	18	120	77.3	74.7
St. Joseph's.....	Chatham.....	3,812	30,792	6,342	37,134	102	17	105	72.1	72.1
Hotel Dieu.....	Cornwall.....	3,799	34,049	5,018	39,067	107	34	78	75.2	77.6
Guelph General.....	Guelph.....	2,488	28,677	3,509	32,186	88	13	101	85.4	80.2
St. Joseph's.....	Guelph.....	2,242	24,749	3,721	28,470	78	16	78	78.8	79.7
Hotel Dieu.....	Kingston.....	4,707	50,368	6,530	56,898	156	56	125	75.1	85.9
Kitchener-Waterloo.....	Kitchener.....	4,080	37,580	6,296	43,876	120	33	111	91.1	85.9
St. Mary's.....	Kitchener.....	3,662	33,206	6,232	39,438	108	23	95	85.8	87.1
Niagara Falls General.....	Niagara Falls.....	4,749	37,166	6,944	44,110	121	29	92	84.9	87.6
St. Joseph's General.....	North Bay.....	2,197	19,538	2,286	21,844	60	10	72	47.4	47.9
Oshawa General.....	Oshawa.....	5,587	38,785	7,501	46,286	127	38	138	83.0	79.7
General and Marine.....	Owen Sound.....	2,738	23,663	4,888	28,551	78	34	58	76.3	77.4
General.....	Pembroke.....	2,321	24,893	2,943	27,836	76	21	64	59.3	61.0
Nicholl's.....	Peterborough.....	3,070	35,189	4,350	40,139	110	39	107	79.0	78.0
St. Joseph's.....	Peterborough.....	3,008	34,034	5,261	39,295	103	19	57	69.3	68.7
General.....	Port Arthur.....	3,250	33,166	4,503	37,669	80	29	103	67.3	68.3
St. Catharines General¶.....	St. Catharines.....	6,211	44,498	9,284	53,782	147	29	139	77.6	84.2
Memorial.....	St. Thomas.....	3,892	36,026	7,299	43,325	119	37	129	88.9	82.4
Sarnia General.....	Sarnia.....	4,389	37,717	6,621	44,338	121	23	109	78.3	75.0
General.....	Sault Ste. Marie.....	2,877	25,103	4,126	29,229	80	19	52	70.9	71.5
Stratford General.....	Stratford.....	3,041	29,453	5,068	34,521	95	13	91	68.4	68.0
St. Mary's.....	Timmins.....	3,974	26,534	4,523	31,057	85	23	102	55.9	54.8
Mt. Sinai.....	Toronto.....	4,754	30,975	8,894	39,869	109	44	57	103.5	107.0
Toronto East General.....	Toronto.....	5,825	56,816	12,415	69,231	190	42	171	103.8	104.2
Wellesley.....	Toronto.....	3,617	31,987	5,182	37,169	102	21	209	89.4	88.6
Women's College.....	Toronto.....	5,959	44,186	15,806	59,992	164	59	226	86.5	88.8
Welland County General.....	Welland.....	4,021	26,255	6,906	33,161	91	34	35	71.9	72.7
Metropolitan General.....	Windsor.....	6,067	42,394	7,779	50,173	137	41	88	100.1	96.8
Salvation Army Grace.....	Windsor.....	5,928	48,832	8,931	57,783	158	14	164	127.5	131.9
TOTALS.....		119,152	1,018,886	188,318	1,207,204	3,306	830	3,158	79.9	80.1
GROUP 5										
Capacity, 201 Beds and Over										
Belleville General*.....	Belleville.....	6,241	50,590	9,033	59,623	163	39	144	77.0	76.7
Brantford General**.....	Brantford.....	5,631	60,451	10,687	71,138	195	54	209	70.8	76.7
McKellar General.....	Fort William.....	5,982	59,802	8,002	67,804	186	50	106	76.5	76.1
Hamilton General†.....	Hamilton.....	20,435	217,869	34,308	252,177	690	120	709	79.2	79.3
St. Joseph's.....	Hamilton.....	6,297	54,995	9,924	64,919	178	30	146	86.1	86.8
Kingston General‡.....	Kingston.....	9,158	94,303	8,943	103,246	282	36	330	78.8	80.1
St. Joseph's.....	London.....	6,708	69,324	11,805	81,129	222	33	223	73.6	76.1
Victoria‡.....	London.....	10,325	139,360	11,486	150,846	413	83	431	70.3	69.7
Ottawa Civic.....	Ottawa.....	16,439	213,112	21,869	234,981	643	69	630	108.1	107.3
Ottawa General.....	Ottawa.....	8,221	95,545	7,620	103,165	283	83	224	70.7	71.5
St. Joseph's General.....	Port Arthur.....	3,934	42,469	5,491	47,960	131	15	98	58.1	58.1
St. Joseph's.....	Sudbury.....	7,692	50,468	11,101	61,569	168	27	135	69.8	70.6
Hosp. for Sick Children.....	Toronto.....	8,860	129,730		129,730	355	75	513	82.2	
St. Joseph's.....	Toronto.....	9,384	99,387	12,545	111,932	307	84	353	86.4	89.9
St. Michael's.....	Toronto.....	15,089	193,747	22,066	215,813	591	100	658	82.5	85.9
Toronto General.....	Toronto.....	25,267	367,717	30,329	398,046	1,090	228	1,217	88.1	82.6
Toronto Western.....	Toronto.....	14,312	165,601	23,792	189,393	519	129	611	87.6	87.9
Hotel Dieu.....	Windsor.....	8,624	60,628	14,698	75,326	206	20	158	62.4	65.3
TOTALS.....		188,599	2,165,098	253,699	2,418,797	6,615	1,275	6,895	81.1	81.1
GRAND TOTALS:										
Public General Hospitals.....		388,477	3,918,115	596,604	4,514,719	12,365	2,820	11,446	79.4	79.1
Red Cross Outposts.....		9,382	65,101	13,647	78,748	217	89	105	48.2	47.4
GRAND TOTALS incl. Red Cross.....		397,859	3,983,216	610,251	4,593,467	12,582	2,909	11,551	78.6	78.2

\*Includes 13 isolation patients with 317 days.

\*\*Includes 44 isolation patients with 690 days.

\*†Includes 142 isolation patients with 2,885 days.

†Includes 151 isolation patients with 3,970 days.

‡Includes 275 isolation patients with 4,343 days.

‡‡Includes 145 isolation patients with 2,257 days.

## PUBLIC HOSPITALS (Cont'd)

TABLE No. III.—Showing the cost of operating the hospitals; also the average daily cost of each patient.

Name of Hospital	Location	Adult days plus 25% infant days	Cost of dietary supplies	Other operating costs	Total operating cost, excluding provision for bad debts, depreciation and capital charges	Average daily per capita cost	Interest and capital charges
			\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>GROUP 1</b> Capacity, 1 to 25 Beds							
Bowmanville Hospital	Bowmanville	6,466	4,694.85	20,688.01	25,382.86	3.93	
Haldimand War Memorial	Dunnville	5,235	3,992.79	18,404.20	22,396.99	4.28	
Red Cross Memorial	Durham	3,987	1,776.88	10,671.89	12,448.77	3.12	352.51
Hanover Memorial	Hanover	3,673	2,274.50	10,635.51	12,910.01	3.51	
Notre Dame	Hawkesbury	6,025	3,110.50	14,284.99	17,395.49	2.89	
Rosedale War Memorial	Matheson	1,239	1,370.77	6,567.82	7,938.59	6.41	
Niagare Marshall	Mount Forest	2,771	1,121.91	6,840.41	7,962.32	2.87	
Niagara Cottage	Niagara-on-the-Lake	3,214	2,377.73	12,110.18	14,487.91	4.51	
Palmerston General	Palmerston	4,325	2,930.48	11,332.32	14,262.80	2.60	
General	Penetanguishene	5,445	2,408.68	11,357.32	13,766.00	2.53	
Sioux Lookout General	Sioux Lookout	6,631	4,048.72	15,995.37	20,044.09	3.02	
Wingham General	Wingham	5,129	2,387.18	12,235.80	14,622.98	2.85	
<b>TOTALS</b>		<b>54,140</b>	<b>32,494.99</b>	<b>151,123.82</b>	<b>183,618.81</b>	<b>3.34</b>	<b>352.51</b>
<b>GROUP 2</b> Capacity, 26 to 50 Beds							
Stevenson Memorial	Alliston	6,817	4,685.37	23,864.79	28,550.16	4.19	
Rosamond Memorial	Almonte	6,416	4,068.91	17,649.23	21,718.14	3.38	
St. Joseph's General	Blind River	7,392	3,707.25	11,515.93	15,223.18	2.06	273.75
Lady Minto	Chapleau	7,523	4,470.73	20,744.14	25,214.87	3.35	
Clinton Public	Clinton	5,660	3,762.35	14,427.65	18,190.00	3.21	
Groves Memorial	Fergus	5,998	5,089.85	20,289.89	25,379.74	4.23	
Douglas Memorial	Fort Erie	12,263	10,641.56	48,208.10	58,849.66	4.80	
La Verendrye	Fort Frances	13,846	7,044.87	28,789.81	35,834.68	2.59	5,408.00
Alexandra Marine & Gen.	Goderich	11,218	7,709.62	29,160.32	36,869.94	3.29	
Misericordia	Haileybury	13,469	6,424.14	28,009.39	34,433.53	2.56	4,074.66
Alexandra	Ingersoll	9,447	6,015.66	29,148.84	35,164.50	3.72	
Anson General	Iroquois Falls	6,967	6,823.10	31,646.00	38,469.10	5.52	
Kincardine General	Kincardine	5,719	3,582.16	18,602.20	22,184.36	3.88	
Memorial	Listowel	7,554	4,034.49	22,532.11	26,566.60	3.52	315.16
General	Mattawa	11,981	5,752.40	18,875.69	24,628.09	2.06	
St. Andrew's	Midland	13,986	6,974.59	27,824.21	34,798.80	2.49	
York County	Newmarket	11,844	6,899.47	36,317.39	43,216.86	3.65	240.00
Queen Victoria Memorial	North Bay	9,717	7,862.96	40,403.68	48,266.64	4.97	
Lord Dufferin	Orangeville	8,211	8,048.28	24,601.33	32,649.61	3.98	
Willett	Paris	7,955	4,738.94	21,465.37	26,204.31	3.29	
Parry Sound General	Parry Sound	10,381	5,899.15	18,612.07	24,511.22	2.36	
Charlotte E. Englehart	Petrolia	9,571	6,608.10	34,437.66	41,045.76	4.29	
Scott Memorial	Seaford	6,730	4,273.04	17,142.26	21,415.30	3.18	
St. Francis General	Smith's Falls	10,158	10,460.11	26,716.03	37,176.14	3.66	250.63
Porcupine General	South Porcupine	6,429	6,137.91	28,069.79	34,207.70	5.32	
Strathroy General	Strathroy	11,301	6,639.50	24,942.82	31,582.32	2.79	
St. Jean de Brebeuf	Sturgeon Falls	11,650	5,600.56	21,016.87	26,617.43	2.28	
Soldiers' Memorial	Tillsonburg	12,856	7,658.18	38,652.29	46,310.47	3.60	
Lockwood Clinic	Toronto			Financial statement not submitted.			
Mothercraft	Toronto	8,595	6,102.92	20,166.40	26,269.32	3.06	
County of Bruce General	Walkerton	8,402	4,742.72	23,597.36	28,340.08	3.37	
<b>TOTALS</b>		<b>280,056</b>	<b>182,458.89</b>	<b>767,429.62</b>	<b>949,888.51</b>	<b>3.39</b>	<b>10,562.20</b>
<b>GROUP 3</b> Capacity, 51 to 100 Beds							
Royal Victoria	Barrie	20,465	16,959.67	50,490.40	67,450.07	3.30	149.98
Peel Memorial	Brampton	12,167	8,744.90	40,112.72	48,857.62	4.02	410.00
St. Vincent de Paul	Brockville	20,006	20,100.57	56,382.75	76,483.32	3.82	1,461.52
Cobourg General	Cobourg	7,563	3,743.46	27,418.30	31,211.76	4.13	
Lady Minto	Cothran	15,383	11,836.46	29,777.81	41,604.27	2.70	
General and Marine	Collingwood	17,780	12,922.41	45,278.81	58,201.25	3.27	
Cornwall General	Cornwall	21,928	18,584.78	67,284.67	85,869.45	4.05	
Galt Hospital	Galt	22,218	19,787.18	89,667.10	109,454.28	4.93	
St. Paul's	Heart	20,479	10,747.83	38,898.77	49,646.60	2.42	
Kenora General	Kenora	10,686	9,322.31	28,589.14	37,911.45	3.55	498.00
St. Joseph's	Kenora	10,023	8,564.18	24,544.95	33,109.13	3.30	4,600.50
The Ross Memorial	Lindsay	18,418	12,813.48	41,911.14	54,724.62	3.13	
Orillia Soldiers' Memorial	Orillia	25,160	17,401.69	63,452.16	80,853.85	3.21	
Protestant Children's	Ottawa			No financial statement. Closed June 30, 1943.			
Salvation Army Grace	Ottawa	27,748	18,150.03	59,724.37	77,874.40	2.81	148.76
St. Joseph's General	Parry Sound	10,836	8,588.04	26,414.70	35,002.74	3.23	2,650.00
Pembroke Cottage	Pembroke	16,029	14,596.29	50,394.18	64,990.47	4.05	
Great War Memorial	Perth	16,120	13,257.52	43,520.17	56,777.69	3.52	
Prince Edward County	Pictou	11,189	7,373.85	23,576.33	30,950.18	2.77	

## PUBLIC HOSPITALS (Cont'd)

TABLE No. III.—Showing the cost of operating the hospitals; also the average daily cost of each patient.

Name of Hospital	Location	Adult days plus 25% infant days	Cost of dietary supplies	Other operating costs	Total operating cost, excluding provision for bad debts, depreciation, interest and capital charges		Average daily per capita cost	Interest and capital charges
					\$ c.	\$ c.		
Group 3 (Cont'd)								
The Port Hope Hospital	Port Hope	7,612	5,638.10	25,852.80	31,490.90	4.14		
Victoria	Renfrew	14,392	10,062.94	37,307.42	47,370.36	3.29	3,525.06	
Plummer Memorial	Sault Ste. Marie	17,311	16,623.01	47,753.09	64,376.10	3.72	1,600.00	
Norfolk General	Simcoe	18,284	11,822.07	73,537.71	85,359.18	4.66		
Smith's Falls Public	Smith's Falls	14,333	11,673.18	43,463.45	55,136.63	3.85		
Salvation Army Grace	Toronto	24,965	18,118.21	91,582.91	109,701.12	4.39		
Woodstock General	Woodstock	24,667	23,533.41	85,002.32	108,535.73	4.40	200.00	
TOTALS		425,092	331,005.57	1,214,737.60	1,545,743.17	3.64	15,243.82	
GROUP 4								
Capacity, 101 to 200 Beds								
Brockville General	Brockville	29,693	29,565.08	75,633.56	105,198.64	3.54		
Public General	Chatham	34,662	26,669.83	99,357.21	126,027.04	3.64		
St. Joseph's	Chatham	32,378	32,032.55	86,877.80	118,930.35	3.67	495.45	
Hotel Dieu	Cornwall	35,304	23,467.27	68,900.76	92,368.03	2.62	10,155.06	
Guelph General	Guelph	29,554	26,474.18	92,160.40	118,634.58	4.01		
St. Joseph's	Guelph	25,679	29,030.71	66,728.62	95,759.33	3.73		
Hotel Dieu	Kingston	52,001	58,395.08	113,331.34	171,726.42	3.30	9,197.00	
Kitchener-Waterloo	Kitchener	39,154	32,417.05	141,690.22	174,107.27	4.45	782.90	
St. Mary's	Kitchener	34,764	28,905.87	94,356.14	123,262.01	3.55	7,605.61	
Niagara Falls General	Niagara Falls	38,902	26,317.50	111,058.57	137,376.07	3.53		
St. Joseph's General	North Bay	20,130	15,085.62	48,773.52	63,859.14	3.17	9,331.51	
Oshawa General	Oshawa	40,660	36,953.84	162,575.07	199,528.91	4.91		
General and Marine	Owen Sound	24,885	19,138.44	89,771.15	108,909.59	4.38	1,084.32	
General	Pembroke	25,629	21,868.80	55,792.87	77,661.67	3.03		
Nicholl's	Peterborough	36,427	31,527.17	141,174.05	172,701.22	4.74		
St. Joseph's	Peterborough	25,349	16,787.37	61,840.61	78,627.98	3.10		
General	Port Arthur	34,292	25,988.08	107,848.31	133,836.39	3.90	40,958.47	
St. Catharines General	St. Catharines	46,819	42,416.09	190,101.66	232,517.75	4.97		
Memorial	St. Thomas	37,851	33,366.51	142,285.38	175,651.89	4.64		
Sarnia General	Sarnia	39,372	38,104.94	122,721.06	160,826.00	4.08		
General	Sault Ste. Marie	26,135	19,282.88	99,099.20	118,382.08	4.53		
Stratford General	Stratford	30,720	22,476.14	89,794.08	112,270.22	3.65		
St. Mary's	Timmins	27,665	24,507.60	101,481.69	125,989.29	4.55	600.63	
Mt. Sinai	Toronto	33,199	30,105.38	152,748.49	182,853.87	5.51	711.13	
Toronto East General	Toronto	59,920	46,132.74	216,121.25	262,253.99	4.38	600.65	
Wellesley	Toronto	33,283	51,176.13	162,433.05	213,609.18	6.42	2,765.04	
Women's College	Toronto	48,138	37,539.49	206,474.99	244,014.48	5.07	4,431.88	
Welland County General	Welland	27,982	22,752.72	117,475.59	140,228.31	5.01		
Metropolitan General	Windsor	44,339	32,856.71	245,435.37	278,292.08	6.28		
Salvation Army Grace	Windsor	51,085	39,388.32	163,083.94	202,472.26	3.96		
TOTALS		1,065,971	920,750.09	3,627,125.95	4,547,876.04	4.27	87,479.02	
GROUP 5								
Capacity, 201 Beds and Over								
Belleville General	Belleville	52,848	44,466.79	164,758.90	209,225.69	3.96	4,098.05	
Brantford General	Brantford	63,123	44,353.50	231,119.25	275,472.75	4.36		
McKellar General	Fort William	61,803	39,004.95	183,842.16	222,847.11	3.61	15,280.00	
Hamilton General	Hamilton	226,446	171,511.50	847,977.19	1,019,488.69	4.50	32,348.76	
St. Joseph's	Hamilton	57,476	57,499.62	143,488.55	200,988.15	3.50		
Kingston General	Kingston	96,539	103,292.90	336,262.44	439,555.34	4.55	9,123.17	
St. Joseph's	London	72,275	61,181.68	189,823.74	251,005.42	3.47	15,360.72	
Victoria	London	142,232	118,230.17	573,806.75	692,036.92	4.87		
Ottawa Civic	Ottawa	218,579	190,119.01	709,815.37	899,934.38	4.12		
Ottawa General	Ottawa	97,450	65,887.80	285,073.04	350,960.84	3.60	31,028.67	
St. Joseph's General	Port Arthur	43,842	30,963.58	127,116.99	158,080.57	3.61		
St. Joseph's	Sudbury	53,243	33,012.77	161,681.53	194,694.30	3.66	14,705.74	
Hospital for Sick Children	Toronto	129,730	111,970.20	531,805.01	643,775.21	4.96		
St. Joseph's	Toronto	102,523	80,703.73	293,652.49	374,356.22	3.65	19,029.40	
St. Michael's	Toronto	199,264	175,410.25	635,949.29	811,359.54	4.07	44,291.12	
Toronto General	Toronto	375,299	269,368.71	1,741,718.12	2,011,086.83	5.36		
Toronto Western	Toronto	171,549	169,682.98	743,544.67	913,227.65	5.32	15,500.00	
Hotel Dieu	Windsor	64,303	75,218.31	218,931.30	294,149.61	4.57	9,748.62	
TOTALS		2,228,524	1,841,878.45	8,120,366.77	9,962,245.22	4.47	210,514.25	
GRAND TOTALS:								
Public General Hospitals		4,053,783	3,308,587.99	13,880,783.76	17,189,371.75	4.24	324,151.80	
Red Cross Outposts		*78,748	51,559.97	275,928.80	327,488.77	4.16		
GRAND TOTALS incl. Red Cross		4,132,531	3,360,147.96	14,156,712.56	17,516,860.52	4.24	324,151.80	

\*Adult days plus 100 % infant days.

NOTE.—Total operating cost includes expense of operating Out-Patient Department.

## PUBLIC HOSPITALS (Cont'd)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from municipalities for building, debentures, etc.	Total income from all sources other than Government grants
<b>GROUP 1</b>							
Capacity, 1 to 25 Beds							
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Bowmanville Hospital	Bowmanville	19,897.15	3,592.85	578.76	5.00		24,073.76
Haldimand War Memorial	Dunnville	16,083.44	3,814.75	107.26	554.81		20,560.26
Red Cross Memorial	Durham	10,680.68	853.50				12,944.18
Hanover Memorial	Hanover	10,957.09	1,549.12		773.79		13,280.00
Notre Dame	Hawkesbury	13,366.73	3,264.35	144.93	25.00		16,801.01
Rosedale War Memorial	Matheson	2,895.90		273.69	6,235.12		9,404.71
Louise Marshall	Mount Forest	7,795.74	347.75	201.75	50.00		8,395.24
Niagara Cottage	Niagara-on-Lake	8,637.04	2,901.50	234.72	1,267.49		13,040.75
Palmerston General	Palmerston	16,192.42	364.10	11.18	1,859.05		18,426.75
General	Penetanguishene	13,269.22	2,466.65		1,365.91		17,101.78
Sioux Lookout General	Sioux Lookout	20,144.64	80.25	680.48	1,641.28		22,546.65
Wingham General	Wingham	15,906.32	1,100.00	311.08	956.81		18,274.21
<b>TOTALS</b>		<b>155,826.37</b>	<b>20,334.82</b>	<b>2,543.85</b>	<b>16,144.26</b>		<b>194,849.30</b>
<b>GROUP 2</b>							
Capacity, 26 to 50 Beds							
Stevenson Memorial	Alliston	19,300.78	2,868.90	15,506.40			37,676.08
Rosamond Memorial	Alnonte	17,174.98	1,084.15	1,909.03	1,777.95		21,946.11
St. Joseph's General	Blind River	13,928.42	1,195.26	102.25	201.76		15,427.69
Lady Minto	Chapleau	19,725.21		1,274.02			20,999.23
Clinton Public	Clinton	19,915.26	1,314.50	336.59			21,566.35
Groves Memorial	Fergus	23,598.70	2,899.15	47.06	432.28		26,977.19
Douglas Memorial	Fort Erie	48,121.80	6,586.90	4,023.97	5,075.30		63,807.97
La Verendrye	Fort Frances	44,240.22	4,989.40	71.10	2,050.93		51,351.65
Alexandra Marine & Gen.	Goderich	30,737.53	4,675.15	2,293.63	1,158.48		38,864.79
Misericordia	Haileybury	24,742.55	5,274.80	4,414.51	5,161.26		39,592.62
Alexandra	Ingersoll	28,977.22	2,771.70	1,432.20	550.78		33,731.90
Anson General	Iroquois Falls	23,260.13	3,255.63				26,515.76
Kincardine General	Kincardine	20,435.89	2,250.00	537.88	367.80	2,000.00	25,591.57
Memorial Hospital	Listowel	30,941.83	2,650.00	473.86	729.60		35,288.29
General	Mattawa	9,820.17	8,460.95	2,638.96	4,487.30		25,416.38
St. Andrew's	Midland	33,788.54	5,087.55	1,304.90	792.51		40,982.50
York County	Newmarket	38,292.58	6,880.83	450.89			45,624.32
Queen Victoria Memorial	North Bay	41,253.27	8,720.00	40.83	491.30		50,505.40
Lord Dufferin	Orangeville	27,376.08	3,140.60	443.03	229.55		31,189.26
Willett	Paris	23,246.24	2,871.32	1,957.48	1,619.91		29,694.95
Parry Sound General	Parry Sound	21,494.70	1,570.90	439.74	39.10		23,544.44
Charlotte E. Englehart	Petrolia	29,886.41	1,401.35	11,174.79	81.50		42,544.05
Scott Memorial	Seaford	21,748.65	1,150.59	586.54	75.00		23,560.78
St. Francis General	Smith's Falls	24,091.79	4,416.55	2,490.80	15,769.99		46,769.13
Porcupine General	South Porcupine	28,131.82	920.75	1,243.60	4,332.70		34,628.87
Strathroy General	Strathroy	28,224.25	5,903.15	999.32	861.89		35,988.61
St. Jean de Brebeuf	Sturgeon Falls	14,146.92	9,265.10	59.63	150.00		23,621.65
Soldiers' Memorial	Tillsonburg	36,437.10	6,678.82	4,119.00	96.92		47,331.84
Lockwood Clinic	Toronto			Financial statement not submitted.			
Mothercraft	Toronto	15,385.70	2,331.00	1,579.58	607.35		19,903.63
County of Bruce General	Walkerton	23,409.62	5,239.87	595.20	419.48		29,664.17
<b>TOTALS</b>		<b>781,843.36</b>	<b>115,804.39</b>	<b>63,046.79</b>	<b>47,553.64</b>	<b>2,000.00</b>	<b>1,010,248.18</b>
<b>GROUP 3</b>							
Capacity, 51 to 100 Beds							
Royal Victoria	Barrie	61,320.54	4,991.55	972.00	526.96		67,811.05
Peel Memorial	Brampton	46,011.48	1,375.95	2,790.70	1,551.64		51,729.77
St. Vincent de Paul	Brockville	69,824.52	3,172.85	330.58	28,668.56		101,996.51
Cobourg General	Cobourg	27,923.60	3,032.90	1,161.47	1,012.00		33,129.97
Lady Minto	Cochrane	19,406.21	3,810.80	214.58	207.39		23,638.98
General and Marine	Collingwood	55,071.62	4,501.25	1,290.89			60,863.76
Cornwall General	Cornwall	70,039.09	9,652.75	3,959.55	8,187.24		91,838.63
Galt Hospital	Galt	82,303.39	5,615.89	1,498.12	1,699.00		91,116.40
St. Paul's	Hearst	20,978.97	1,285.60	231.44	7,246.09		29,742.10
Kenora General	Kenora	29,260.66	2,402.75	25.00	2,473.94	5,181.21	39,343.56
St. Joseph's	Kenora	20,521.35	4,751.15	1,450.11	6,924.33		33,647.24
The Rose Memorial	Lindsay	57,828.70	6,560.75	3,316.95			67,706.40
Orillia Soldiers' Memorial	Orillia	76,998.57	5,106.50	1,381.95			83,490.02
Protestant Children's	Ottawa		No financial statement.	Closed June 30, 1943.			
Salvation Army Grace	Ottawa	78,650.75	654.15	4,127.37	4,359.36		87,791.63
St. Joseph's General	Parry Sound	32,024.25	1,721.00	620.98	6,505.50		40,871.73
Pembroke Cottage	Pembroke	54,585.59	2,060.85	3,438.31	59.50		61,044.25
Great War Memorial	Perth	54,812.58	2,529.80	2,451.49			59,793.87
Prince Edward County	Pictou	29,894.89	3,825.06	1,268.67	2,304.02		37,292.64

## PUBLIC HOSPITALS (Cont'd)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from municipalities for building, debentures, etc.	Total income from all sources other than Government grants
Group 3 (Cont'd)		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
The Port Hope Hospital.....	Port Hope.....	27,924.45	1,550.00	1,387.82	479.00		31,341.27
Victoria.....	Renfrew.....	36,860.32	6,350.55	541.52			43,752.39
Plummer Memorial.....	Sault Ste. Marie.....	63,234.23	2,323.80	51.90	76.50		65,686.43
Norfolk General.....	Simcoe.....	65,762.11	11,471.27	1,078.26	1,026.28		79,337.92
Smith's Falls Public.....	Smith's Falls.....	36,641.53	14,869.25	2,279.81	2,130.88		55,921.47
Salvation Army Grace.....	Toronto.....	106,517.41	2,165.32	242.05	4,249.25		113,174.03
Woodstock General.....	Woodstock.....	89,424.19	8,497.10	1,617.22	1,611.19		101,149.70
<b>TOTALS.....</b>		<b>1,313,821.00</b>	<b>115,179.14</b>	<b>37,731.74</b>	<b>81,298.63</b>	<b>5,181.21</b>	<b>1,553,211.72</b>
<b>GROUP 4</b>							
Capacity, 101 to 200 Beds							
Brockville General.....	Brockville.....	99,482.18	10,809.75	2,328.28	1,502.83		114,123.04
Public General.....	Chatham.....	143,943.54	7,104.40	11.00	3,596.16	6,500.00	161,155.10
St. Joseph's.....	Chatham.....	134,483.15	8,891.39	2,858.96	22,198.04		168,431.54
Hotel Dieu.....	Cornwall.....	65,146.46	29,386.30	834.20	6,683.38		102,072.34
Guelph General.....	Guelph.....	102,778.40	9,260.60	4,395.24	196.00		116,330.24
St. Joseph's.....	Guelph.....	86,807.74	6,107.88	122.25	271.15		93,369.02
Hotel Dieu.....	Kingston.....	158,951.53	20,768.83	4,087.33	30,592.32		214,400.01
Kitchener-Waterloo.....	Kitchener.....	158,627.37	31,763.49	6,850.09			197,241.15
St. Mary's.....	Kitchener.....	132,392.02	12,116.66	7,985.34	14,116.50		166,610.52
Niagara Falls General.....	Niagara Falls.....	165,035.58	9,988.35	1,646.83	869.40		177,540.16
St. Joseph's General.....	North Bay.....	58,253.41	8,791.45	1,534.60	8,678.96		77,258.42
Oshawa General.....	Oshawa.....	195,295.68	5,686.48	4,968.09	845.26		206,795.51
General and Marine.....	Owen Sound.....	100,956.90	5,898.18	2,552.36	2,206.69	3,000.00	114,614.13
General.....	Pembroke.....	63,708.93	10,979.72	987.05	10,860.00		86,535.70
Nicholl's.....	Peterborough.....	127,823.51	6,906.20	10,478.97			145,208.68
St. Joseph's.....	Peterborough.....	83,438.54	5,174.25	1,685.53	5,389.05		95,687.37
General.....	Port Arthur.....	118,837.26	18,474.25	854.95	1,362.10		139,528.56
St. Catharines General.....	St. Catharines.....	216,652.80	11,621.65	3,223.47	1,393.20		232,891.12
Memorial.....	St. Thomas.....	148,981.76	22,400.15	3,044.84			174,426.75
Sarnia General.....	Sarnia.....	172,880.39	18,903.37	3,282.94	1,179.47		196,246.17
General.....	Sault Ste. Marie.....	93,173.67	5,184.10	4,061.74	220.00		102,639.51
Stratford General.....	Stratford.....	107,316.87	10,805.64	154.20	1,296.34	1,000.00	120,573.05
St. Mary's.....	Timmins.....	116,694.06	6,518.07	13,150.62	14,742.46		151,105.21
Mt. Sinai.....	Toronto.....	154,113.73	10,476.52	7,500.00	15,023.84		187,114.09
Toronto East General.....	Toronto.....	253,917.14	26,654.80	10,549.27	80.00		291,201.21
Wellesley.....	Toronto.....	217,606.89	1,586.75	1,507.08	139.40		220,840.12
Women's College.....	Toronto.....	239,105.84	10,649.60	419.59			250,175.03
Welland County General.....	Welland.....	112,381.24	7,333.42	1,159.46	4,145.00		125,019.12
Metropolitan General.....	Windsor.....	229,823.05	5,148.50	5,127.23	209.96		240,308.74
Salvation Army Grace.....	Windsor.....	224,947.20	4,506.65	3,026.08	1,738.88		234,218.81
<b>TOTALS.....</b>		<b>4,283,617.04</b>	<b>349,897.40</b>	<b>110,407.59</b>	<b>149,538.39</b>	<b>10,500.00</b>	<b>4,903,960.42</b>
<b>GROUP 5</b>							
Capacity, 201 Beds and Over							
Belleville General.....	Belleville.....	190,787.24	37,586.05	4,819.26			233,192.55
Brantford General.....	Brantford.....	204,969.81	42,572.08	938.62	1,392.65		249,873.16
McKellar General.....	Fort William.....	195,703.54	65,899.88	150.00	266.36		262,019.78
Hamilton General.....	Hamilton.....	637,753.75	97,310.07				735,063.82
St. Joseph's.....	Hamilton.....	211,538.82	11,560.15	126.75	14,081.10		237,306.82
Kingston General.....	Kingston.....	400,067.91	33,197.90	26,147.79	4,173.91		463,587.51
St. Joseph's.....	London.....	278,368.97	17,701.54	9,472.67	38,013.70		343,556.88
Victoria.....	London.....	495,885.69	185,533.15	1,457.08		87,278.88	770,154.80
Ottawa Civic.....	Ottawa.....	760,594.50	84,479.35	18,274.29		107,408.71	970,756.55
Ottawa General.....	Ottawa.....	310,533.97	45,551.56	2,051.48	30,047.34		388,184.35
St. Joseph's General.....	Port Arthur.....	159,254.89	17,500.00	20,939.45	985.59		198,679.93
St. Joseph's.....	Sudbury.....	208,202.16	13,827.80	969.65	23,138.34		246,138.25
Hosp. for Sick Children.....	Toronto.....	246,165.72	134,751.39	84,138.57	92,967.06		558,022.74
St. Joseph's.....	Toronto.....	355,238.54	52,107.64	224.79	33,394.26		440,965.23
St. Michael's.....	Toronto.....	675,973.90	154,541.15	2,962.60	77,238.39		910,716.04
Toronto General.....	Toronto.....	1,598,048.38	257,415.74	90,862.55	9,732.06		1,956,078.73
Toronto Western.....	Toronto.....	777,926.26	102,755.42	8,914.25	315.00		889,910.93
Hotel Dieu.....	Windsor.....	284,535.81	6,361.95	9,487.44	41,459.10		341,844.30
<b>TOTALS.....</b>		<b>7,991,549.86</b>	<b>1,360,652.82</b>	<b>281,937.54</b>	<b>367,224.86</b>	<b>194,687.59</b>	<b>10,196,052.67</b>
<b>GRAND TOTALS:</b>							
Public General Hospitals.....		14,526,657.63	1,961,868.57	495,667.51	661,759.78	212,368.80	17,858,322.29
Red Cross Outposts.....		224,753.93	8,644.30	1,281.24	22,704.64		257,384.11
<b>GRAND TOTALS incl. Red Cross.....</b>		<b>14,751,411.56</b>	<b>1,970,512.87</b>	<b>496,948.75</b>	<b>684,464.42</b>	<b>212,368.80</b>	<b>18,115,706.40</b>

PUBLIC HOSPITALS (Cont'd)

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Days at 40c.	Infants born, days at 30c.	Amount	Grant for indigents from unorganized territory	Adjustments		Total Government statutory grant	Grant for radiotherapy and special clinics	
								Debit	Credit			
<b>GROUP 1</b>												
Capacity, 1 to 25 Beds												
Bowmanville Hospital.....	Bowmanville	1,117	88	643	365	1,045.70			15.30	1,061.00		
Raldmand War Memorial.....	Dunnville	627	181		28	402.70		21.00		381.70		
Red Cross Memorial.....	Durham	626	69		20	391.50			3.00	394.50		
Hanover Memorial.....	Hanover	720	365		178	521.90		10.80		511.10		
Notre Dame.....	Hawkesbury	2,626			59	1,593.30			24.00	1,617.30		
Matheson.....	Matheson	361			70	239.40	319.75			559.15		
Rosedale War Memorial.....	Mount Forest	557	63		196	399.80		3.90		395.40		
Niagara Marshall.....	Niagara-on-the-Lake	820	1		12	495.70		23.40		472.30		
Niagara Cottage.....	Palmerston	241				144.60		13.20		131.40		
Palmerston General.....	Palmerston	1,475	528		97	966.90			11.40	978.30		
Penetanguishene General.....	Penetanguishene	504			17	397.50	675.40			982.90		
St. Jean de Brebeuf General.....	St. Jean de Brebeuf	274	103		97	174.70				171.70		
<b>TOTALS</b> .....		9,951	1,428	643	1,042	6,083.20	995.15	72.30	53.70	7,659.75		
<b>GROUP 2</b>												
Capacity, 26 to 50 Beds												
Stevenson Memorial.....	Albion	1,419	436	785	162	977.60		9.00		968.60		
Rosmond Memorial.....	Almonte	2,099			469	1,400.40		43.20		1,356.90		
St. Joseph's General.....	Blind River	1,788	865	325	185	1,311.80	3,005.50			195.00		
Lady Minto.....	Chapleau	976			64	625.80	1,733.30			2,359.10		
Clinton Public.....	Clinton	318			28	199.20			19.80	199.20		
Groves Memorial.....	Fergus	281		320	8	539.00				538.80		
Douglas Memorial.....	Fort Erie	549	179	561	9	635.60		119.00		754.60		
La Verendrye.....	Fort Frances	3,115	312		491	3,247.50	1,286.65			4,534.15		
Alexandria.....	Godfrey	3,510			465	2,348.20	8,458.35	18.30		10,694.00		
Alberton.....	Haldenbury	2,531	97	2,045	71	2,332.60			3.05	2,335.65		
Alexandria Marine and General.....	Ingersoll	1,829	605		70	1,478.90		15.00		1,493.90		
Alton General.....	Kingston	1,092			139	707.00	2,192.30			2,899.30		
Kincardine General.....	Kingston	773	569		61	931.30		17.40		948.70		
Alton Hospital.....	Kingston	4,245			141	3,376.70		8.70		3,385.40		
General.....	Markham	2,363	2,586	1,754	262	3,376.60	6,250.35	176.80		9,121.15		
St. Andrew's.....	Markham	2,363			97	1,587.30	2,488.70	30.10		1,917.10		
York County.....	Newmarket	1,462		60	105	1,387.30		8.40		1,395.70		
Quebec Victoria Memorial.....	North Bay	1,063			31	506.90	592.00			1,098.90		
Quebec Victoria Memorial.....	Oranienburg	1,462			22	506.90		3.40		510.30		
Quebec Victoria Memorial.....	Oranienburg	1,462			22	506.90		66.20		573.10		
Willot.....	Paris	1,916		850	214	1,501.60	870.75			2,372.35		
Parry Sound General.....	Parry Sound	3,447	566		403	2,577.40		37.50		3,000.90		
St. Mary's.....	Perth	1,102			4	673.40				673.40		
Scott McEwen General.....	Perth	1,102	30		9	285.60				285.60		
St. Francis General.....	St. Catharines	1,486	27		46	1,176.60	94.50		37.80	1,244.40		
Porcupine General.....	St. Catharines	373	185			242.30				242.30		
Strathroy General.....	Strathroy	2,237	414	600	24	1,630.80				1,693.80		
St. Jean de Brebeuf.....	Sturgeon Falls	8,666	172		484	5,362.00	2,778.40		3.00	8,143.40		



SOLDIERS' MEMORIAL		TILTSBURGH		6255		585		72		1,450.30		485.15		20.40		1,955.85		
Pierwood Clinic		Toronto		260		1,079		17		2,534.00				33.00		33.00		
Mothercraft		Toronto		185		1,079				1,650.40				19.50		2,534.00		
County of Bruce General		Walkerton								1,650.40				19.50		1,689.90		
TOTALS		62,031		13,647		8,876		4,076		43,356.50		28,615.95		216.95		71,270.55		
GROUP 3																		
Capacity, 51 to 100 Beds																		
Royal Victoria		6,302		625		1,310		17		4,236.70				42.60		4,279.30		
Peel Memorial		446		311		17		17		303.80				1.80		305.60		
St. Vincent de Paul		1,982		1,520		239		239		1,412.90		50.40				1,362.50		
Cochran General		1,823		24		1,823		123		1,223.10				1.20		1,224.30		
Lady Minto		4,027		4,104		426		426		3,314.40		36.60				3,351.00		
General and Marine		4,117		1,196		2,755		2,755		2,672.30		45.00				2,717.30		
Cornwall General		5,691		435		511		511		3,613.20		255.30				3,868.50		
Galt Hospital		2,812		707		994		994		1,793.60		117.60				1,911.20		
St. Paul's		14,212		586		3,314		3,314		8,971.30		22,810.14		49.10		31,656.99		
Kenora General		1,975		2,068		2,744.70		2,744.70		1,471.90		626.45		38.90		2,902.75		
St. Joseph's		5,477		1,133		11		11		3,683.80		1,388.95				5,072.75		
The Foss Memorial		8,846		119		156		156		5,663.60		65.40				5,729.00		
Orilla Soldiers' Memorial		3,658		283						2,223.10				39.00		2,262.10		
Protestant Army Grace		3,963		283		2,917		2,917		3,252.90		43.20				3,296.10		
St. Joseph's General		3,395		351		842		842		2,325.00		28.70				2,353.70		
Pembroke Cottage		3,854		609		310		310		2,475.30		12.25				2,487.55		
Great War Memorial		2,053		576		99		99		1,319.10		19.20				1,338.30		
Prince Edward County		3,192		200		386		386		2,021.00		141.30		4.20		2,166.50		
The Port Hope Hospital		1,663		199		287		287		1,403.80		5.40				1,409.20		
Victoria		1,916		658		1,129		1,129		1,679.60		6.30				1,685.90		
Plummer Memorial		875		383		383		383		565.70		522.40				1,088.10		
Norfolk General		5,218		390		331		331		3,287.10		17.10				3,304.20		
Smith's Falls Public		2,864		3,047		296		296		2,111.90		5.20				2,117.10		
Salvation Army Grace		1,011				712		712		820.20		17.70				837.90		
Woodstock General		4,289		545		785		785		3,067.00		10.80				3,077.80		
TOTALS		99,621		21,456		3,478		13,602		67,390.00		38,098.69		176.80		104,519.74		
GROUP 4																		
Capacity, 101 to 200 Beds																		
Brookville General		3,923		2,411		213		213		2,661.80		28.80		10.80		2,691.60		
Pudic General		630		630		372		372		2,769.60		182.70				2,952.30		
St. Joseph's		3,371		298		230		230		2,112.40		44.10				2,156.50		
Hotel Dieu		19,459		43		474		474		12,533.50		53.40				12,586.90		
Guelph General		7,170		1,926		321		321		4,561.80		108.10				4,669.90		
St. Joseph's		5,607		878		121		121		3,578.30		203.50				3,781.80		
Hotel Dieu		14,722		1,533		1,705		1,705		9,498.00		81.20				9,579.20		
Kitchener-Waterloo		5,116		623		506		506		3,993.30		25.20				4,018.50		
St. Mary's		4,914		1,503		477		477		3,211.80		51.15		51.60		3,262.95		
Niagara Falls General		7,407		1,072		351		351		2,873.50		46.80				2,920.30		
St. Joseph's General		3,983		155		76		76		2,517.30		112.20				2,629.50		
Oshawa General		3,937		654		452		452		2,563.20		3.30				2,566.50		
General and Marine		8,354		139		1,847		1,847		6,101.70		6.00				6,107.70		
Nicholl's		3,039		2,075		87		87		2,057.00		184.10				2,241.10		
St. Joseph's		4,961		772		1,216		1,216		3,418.60		376.20				3,794.80		
General		12,773		758		1,463		1,463		8,694.50		13.20				8,707.70		
St. Catharines General		5,315		1,021		489		489		3,303.00		63.00				3,366.00		
Memorial		5,737		1,021		545		545		3,067.00		10.80				3,077.80		
Sarnia General		5,137		1,658		66		66		3,205.80		25.30				3,231.10		
TOTALS		104,519.74		35,425		1,445.75		176.80		38,098.69		1,445.75		176.80		104,519.74		

\*Closed June 30, 1943.

PUBLIC HOSPITALS (Cont'd)

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days			Days 30c 40c.	Infants born, days 30c.	Amount	Grant for indigents from organized territory			Adjustments		Total Govern- ment statutory grant	Grant for radiotherapy and special clinics
		60c.	40c.	30c.				Debit	Credit	\$	c.	\$		
Group I (Cont'd)														
General	Smith St., Marie	1,027	323	365	218	2,629.90	879.60	92.50	3,447.00			3,447.00		
Stratford General	Stratford	3,290	320	453	453	3,893.90	39.60	39.60	3,854.30			3,854.30		
St. Mary's	Thames	2,472	615	772	65	1,567.20	1,499.80	37.25	2,729.75			2,729.75		
Albert School	Toronto	1,710	153		216	2,915.10		114.00	2,801.10			2,801.10		
Monte Paso General	Toronto	11,487	1,628	199	629	9,123.30		161.40	8,958.90			8,958.90	505.00	
Wellsley College	Toronto	1,015	23			611.30		3.00	614.30			614.30		
Wentworth	Toronto	7,961	175		1,216	5,169.70	94.50	81.90	5,182.30			5,182.30		
Welland County General	Welland	1,489	268	7	7	922.30		12.60	909.70			909.70		
Metropolitan General	Windsor	4,269	3	101	341	2,704.40		171.90	2,529.50			2,529.50	5,000.00	
Salvation Army Grace	Windsor	4,412	139	737	737	2,930.20		24.60	2,954.80			2,954.80		
TOTALS		181,029	23,623	7,309	16,633	120,697.20	6,978.40	2,190.70	125,718.60	290.70	293.70	125,718.60	9,859.25	
GROUP 5														
Capacity, 204 Beds and Over														
Belleville General	Belleville	11,861	1,726	425	425	7,116.10		7,116.10		290.70		7,125.40	2,720.00	
Bramford General	Bramford	15,978	901	1,855	1,855	10,233.10		337.20	9,896.20			9,896.20	500.00	
McKellar General	Port William	21,963	1,971	4,222	2,087	15,990.10	6,276.25	175.65	22,090.70			22,090.70	1,025.65	
Hamilton General	Hamilton	70,467	12,764	798	4,209	45,138.50		13.80	45,124.70			45,124.70	11,278.60	
St. Joseph's	Kingston	6,623	773	456	456	4,187.90		58.20	4,246.10			4,246.10		
Kingston General	Kingston	27,293	3,056	572	1,809	17,452.90		2,732.60	14,720.30			14,720.30	9,796.90	
St. Joseph's	London	14,320	570	458	458	8,786.40		73.80	8,712.60			8,712.60		
Victoria	London	49,681	6,051	703	958	30,924.10		594.60	30,329.50			30,329.50	11,375.85	
Ottawa Civic	Ottawa	61,218	1,292	1,263	3,398	40,184.60	302.75	1,710.10	38,777.25			38,777.25	8,000.00	
Ottawa General	Ottawa	35,399	1,026	729	967	21,923.70	441.25	313.30	22,021.65			22,021.65	4,500.00	
St. Joseph's General	Port Arthur	13,963	2,432	1,095	1,095	9,378.50	5,342.30	1,238.70	13,482.10			13,482.10		
St. Joseph's	Sudbury	10,833	1,416	257	257	6,718.50	5,152.40	74.65	11,915.55			11,915.55	706.00	
Hospital for Sick Children	Toronto	72,111	12,434	1,321	738	41,528.00	3,186.45	1,271.00	46,445.45			46,445.45	6,901.93	
St. Joseph's	Toronto	27,056	1,045	1,321	738	17,087.90	26.25	675.60	16,438.55			16,438.55		
St. Joseph's	Toronto	76,368	1,013	1,855	4,353	47,970.00	490.00	611.00	48,471.00			48,471.00	1,776.41	
St. Michael's	Toronto	131,296	5,377	626	5,403	81,246.60	5,561.64	1,193.70	85,617.54			85,617.54	59,769.30	
Toronto General	Toronto	15,999	1,899	218	1,713	28,102.10	30.40	530.40	27,992.40			27,992.40	1,150.25	
Toronto Western	Toronto	15,999	1,899	218	1,713	28,102.10	30.40	530.40	27,992.40			27,992.40	1,150.25	
Hotel Dieu	Windsor	4,236	4	393	393	2,755.90		64.80	2,691.10			2,691.10		
TOTALS		699,888	58,753	13,432	30,482	440,325.50	26,783.69	11,843.95	455,400.09	132.85	132.85	455,400.09	125,798.80	
GRAND TOTALS:														
Public General Hospitals		1,055,520	118,947	33,738	65,835	678,452.40	101,473.88	16,171.55	794,568.73	814.00	814.00	794,568.73	135,658.14	
Red Cross Outposts		16,413	1,962		3,751	11,169.30	6,231.30	713.35	16,687.25			16,687.25		
GRAND TOTALS Incl. Red Cross		1,071,933	120,909	33,738	69,586	689,621.70	107,705.18	16,884.90	781,255.98	814.00	814.00	781,255.98	135,658.14	



## PUBLIC HOSPITALS (Cont'd)

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	No. of patients	Days at \$2.35	* Days at \$2.00	LESS		Amount	No. of infants	Days at \$1.00	LESS		TOTAL FOR INDIGENTS
					Days at 60c.	Days at 10c.				Amount	Days at 30c.	
Group 3 (Cont'd)												
The Pt. Hope Hosp.	Port Hope											
Victoria	Renfrew											
Plummer Memorial	Sault Ste. Marie	13	292		273		522.40					522.40
Norfolk General	Simcoe											
Smith's Falls Public	Smith's Falls											
Salvation A. Grace	Toronto											
Woodstock General	Woodstock											
TOTALS		1,076	18,906	1,302	15,959	3,024	37,155.30	134	1,316	1,242	943.40	38,098.69
GROUP 4												
Capacity, 101 to 200 Beds												
Brockville General	Brockville											
Public General	Chatham											
St. Joseph's	Chatham											
Hotel Dieu	Cornwall											
Guelph General	Guelph											
St. Joseph's	Guelph											
Hotel Dieu	Kingston											
Kitchener-Waterloo	Kitchener											
St. Mary's	Kitchener											
Niagara Falls Gen.	Niagara Falls											
St. Joseph's General	North Bay	31	972	82	960	80	1,864.20	2	27	27	18.90	1,883.10
Oshawa General	Oshawa											
General and Marine	Owen Sound											
General	Pembroke	5	197		128	70	379.15					379.15
Nicholl's	Peterborough											
St. Joseph's	Peterborough											
General	Port Arthur	37	1,105	258	997	364	2,478.15	1	9	9	6.30	2,484.50
St. Catharines Gen.	St. Catharines	1	33		33		57.75					57.75
Memorial	St. Thomas											
Sarnia General	Sarnia											
General	Sault Ste. Marie	22	500		500		875.00	1	7	8	4.60	879.60
Stratford General	Stratford											
St. Mary's	Timmins	46	672		672		1,176.00	5	34	34	23.80	1,199.80
Mt. Sinai	Toronto											
Toronto East Gen.	Toronto											
Wellesley	Toronto											
Women's College	Toronto	1	66		101		94.50					94.50
Welland Co. Gen.	Welland											
Metropolitan Gen.	Windsor											
Salvation A. Grace	Windsor											
TOTALS		142	3,545	340	3,391	514	6,924.75	9	77	78	53.60	6,978.40
GROUP 5												
Capacity, 201 Beds and Over												
Belleville General	Belleville											
Brantford General	Brantford											
McKellar General	Fort William	105	2,368	853	1,695	730	6,180.80	14	132	122	95.40	6,276.25
Hamilton General	Hamilton											
St. Joseph's	Hamilton											
Kingston General	Kingston											
St. Joseph's	London											
Victoria	London											
Ottawa Civic	Ottawa	4	173		173		302.75					302.75
Ottawa General	Ottawa	2	233		220	13	414.25					414.25
St. Joseph's General	Port Arthur	107	2,842		2,300	404	5,258.30	11	108	80	84.00	5,342.30
St. Joseph's	Sudbury	110	2,563	310	2,460	395	5,127.55	4	35	34	24.80	5,152.40
Hosp. for Sick Child	Toronto	23	1,578		729	845	3,186.40					3,186.45
St. Joseph's	Toronto	1	15		15		26.25					26.25
St. Michael's	Toronto	8	280		280		490.00					490.00
Toronto General	Toronto	97	3,078	41	2,806	215	5,556.20	1	12	12	8.40	5,564.64
Toronto Western	Toronto	1	10		5		20.50	1	12	7	9.90	30.40
Hotel Dieu	Windsor											
TOTALS		458	13,110	1,204	10,773	2,602	26,563.00	31	299	255	222.50	26,785.69
GRAND TOTALS:												
Public Gen.	al Hospitals	2,106	42,702	11,149	36,674	7,382	99,905.10	225	2,178	2,031	1,568.70	101,473.88
Red Cross Ou	posts	138	2,602	777	2,438	1,173	6,088.60	21	198	184	142.80	6,231.30
GRAND TOTALS	incl. Red Cross	2,244	45,304	11,926	39,112	8,555	105,993.70	246	2,376	2,215	1,711.50	107,705.18

NOTE.—Small differences are due to odd amounts paid on account by patients.

\*Incurable patients.

## SUMMARIZED STATEMENT OF PROVINCIAL GRANT

For the Year Ended December 31, 1943

	Public Hospitals	Red Cross Outposts	Hospitals for Incurables	Convalescent Hospitals	TOTALS
<b>STATUTORY PER DIEM GRANTS</b>					
Days at 60c.....	1,055,520	16,413			1,071,933
Days at 10c.....	118,947	1,962		7,845	128,754
Days at 30c. (Infant).....	65,835	3,751			69,586
Days at 40c.....	33,738		428,153	40,669	502,560
AMOUNT.....	\$678,452.40	\$11,169.30	\$171,261.20	\$17,052.10	\$877,935.00
<b>INDIGENTS FROM UNORGANIZED TERRITORY</b>					
Number of patients.....	2,106	138	20	5	2,269
Days at \$2.00.....	11,149	777	4,822		16,748
Days at \$2.35.....	42,702	2,602			45,304
Days at \$1.65.....				621	621
Number of Infants Born.....	225	21			246
Days at \$1.00.....	2,178	198			2,376
TOTAL INDIGENT GRANT.....	\$101,473.80	\$6,231.40	\$7,715.20	\$916.95	\$116,337.35
TOTAL GRANT EARNED FOR YEAR.....	\$779,926.20	\$17,400.70	\$178,976.40	\$17,969.05	\$994,272.35
Audit Adjustments, etc.....	Dr. 15,357.55	Dr. 713.35	Dr. 118.60	Cr. 62.00	Dr. 16,127.50
<b>Total Net Grant.....</b>	<b>\$764,568.65</b>	<b>\$16,687.35</b>	<b>\$178,857.80</b>	<b>\$18,031.05</b>	<b>\$978,144.85</b>

## RED CROSS OUTPOST HOSPITALS

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Jan. 1, 1943	Patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	Deaths during year	Stillbirths during year	Patients in residence, Dec. 31, 1943
		Adults and children	Nursery								
Red Cross Outpost.....	Apsley.....	6	2	1	54	7	62	59	3		
Red Cross Outpost.....	Atikokan.....	3	1	1	107	2	110	107			3
Red Cross Outpost.....	Baneroff.....	9	3	11	340	97	448	429	14	8	5
Red Cross Outpost.....	Beardmore.....	6	1	2	87	15	104	98	2		4
Red Cross Outpost.....	Braebridge.....	31	7	24	701	130	855	799	32	10	24
Red Cross Outpost*.....	Coe Hill.....	6	3	1	44	8	53	52	1		
Red Cross Outpost.....	Dryden.....	32	6	25	611	134	770	722	26	5	22
Red Cross Outpost.....	Emo.....	16	4	5	365	55	425	397	17	1	11
Red Cross Outpost.....	Englehart.....	12	3	6	254	54	314	287	8	2	19
Red Cross Outpost.....	Espanola.....	15	3	3	234	45	282	265	4	2	10
Red Cross Outpost.....	Haliburton.....	11	5		198	69	267	262	4	1	1
Red Cross Outpost.....	Hawk Junction.....	9	2		166	12	178	173	5	1	
Red Cross Outpost.....	Hornepayne.....	8	2	9	97	22	128	125	1	2	2
Red Cross Outpost*.....	Kakabeka Falls.....	4	2		12	3	15	15			
Kirkland District Hosp.....	Kirkland Lake.....	93	10	61	2,922	418	3,401	3,260	68	6	73
Red Cross Outpost.....	Lion's Head.....	6	2	2	41	20	63	62	1	1	
Red Cross Outpost.....	Mindemoya.....	16	4	6	341	85	432	410	12	1	10
Red Cross Outpost.....	Nakina.....	8	2		78	12	90	88	1		1
Lady Minto Hospital.....	New Liskeard.....	24	5	12	377	55	447	419	20	1	8
Red Cross Outpost.....	Port Loring.....	6	3	2	61	17	80	77			3
Red Cross Outpost*.....	Quibell.....	3	1		4	1	5	5			
Red Cross Outpost.....	Rainy River.....	10	4	7	168	52	227	204	16		7
Red Cross Outpost.....	Redditt.....	4	1		9	1	10	9			1
Red Cross Outpost.....	Richard's Landing.....	9	3	3	156	24	183	174	7	2	2
Red Cross Outpost.....	Thessalon.....	11	3	7	237	46	290	267	12	2	11
Red Cross Outpost.....	Whitney.....	4	1	1	57	13	71	67	2		2
Red Cross Outpost.....	Wilberforce.....	3	2		24		24	23	1	1	
Red Cross Car.....		5			47	1	48	43	3		2
TOTALS.....		370	85	189	7,792	1,401	9,382	8,901	260	46	221

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days, adults and children, for year	Total days, infants born, for year	Total patient days, all patients, for year	Average number of patients in hospital daily	Number of graduate nurses	Number of other employees, incl. nurses-in-training	Percentage of beds occupied during year
Red Cross Outpost.....	Apsley.....	62	188	58	246	1	1	1	8.4
Red Cross Outpost.....	Atikokan.....	110	621	15	636	2	1	1	43.6
Red Cross Outpost.....	Baneroff.....	448	2,208	935	3,143	9	3	2	71.3
Red Cross Outpost.....	Beardmore.....	104	589	142	731	2	2	1	29.0
Red Cross Outpost.....	Braebridge.....	855	6,928	1,278	8,206	22	8	11	59.2
Red Cross Outpost*.....	Coe Hill.....	53	147	67	214	1	1	1	10.0
Red Cross Outpost.....	Dryden.....	770	6,238	1,328	7,566	21	6	6	54.5
Red Cross Outpost.....	Emo.....	425	3,117	471	3,588	10	4	2	49.2
Red Cross Outpost.....	Englehart.....	314	1,945	493	2,438	7	4	3	44.5
Red Cross Outpost.....	Espanola.....	282	2,228	427	2,655	7	4	4	40.4
Red Cross Outpost.....	Haliburton.....	267	1,185	598	1,783	5	3	2	30.5
Red Cross Outpost.....	Hawk Junction.....	178	1,190	93	1,283	4	2	1	32.0
Red Cross Outpost*.....	Hornepayne.....	128	789	257	1,046	3	1	1	28.7
Red Cross Outpost.....	Kakabeka Falls.....	15	42	24	66	1	1	1	4.5
Kirkland District Hospital.....	Kirkland Lake.....	3,401	25,200	4,321	29,521	80	24	46	78.5
Red Cross Outpost.....	Lion's Head.....	63	245	184	429	1	1	1	14.7
Red Cross Outpost.....	Mindemoya.....	432	3,012	913	3,925	11	3	3	53.8
Red Cross Outpost.....	Nakina.....	90	747	97	844	2	1	2	23.1
Lady Minto Hospital.....	New Liskeard.....	447	2,899	636	3,535	10	5		33.4
Red Cross Outpost.....	Port Loring.....	80	455	153	608	2	1	1	18.5
Red Cross Outpost*.....	Quibell.....	5	37	9	46	1	1	1	4.7
Red Cross Outpost.....	Rainy River.....	227	1,296	428	1,724	5	3	3	33.7
Red Cross Outpost.....	Redditt.....	10	38	1	39	1	1	1	2.1
Red Cross Outpost.....	Richard's Landing.....	183	1,136	190	1,326	4	2	3	30.2
Red Cross Outpost.....	Thessalon.....	290	1,935	390	2,325	6	3	3	45.5
Red Cross Outpost.....	Whitney.....	71	347	121	468	1	1	1	25.6
Red Cross Outpost.....	Wilberforce.....	24	116		116	1	1	2	6.4
Red Cross Car.....		48	223	18	241	1	1	1	13.2
TOTALS.....		9,382	65,101	13,647	78,748	217	89	105	49.3

\*Closed August 31, 1943.

## RED CROSS OUTPOST HOSPITALS (Cont'd)

TABLE No. III.—Showing the cost of operating the hospitals; also the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Percentage of service devoted to hospital	Cost of dietary supplies		Other operating costs		Total operating cost		Average daily per capita cost†
				\$	c.	\$	c.	\$	c.	
Red Cross Outpost	Bancroft	3,143	100	1,082.02		6,492.79		7,574.81		2.41
Red Cross Outpost	Beardmore	731	100	538.86		4,230.09		4,768.95		6.52
Red Cross Outpost	Braacebridge	8,206	100	4,083.69		18,878.06		22,961.75		2.79
Red Cross Outpost	Dryden	7,566	100	4,499.89		19,167.13		23,667.02		3.12
Red Cross Outpost	Emo	3,588	100	1,608.57		9,367.76		10,976.33		3.08
Red Cross Outpost	Englehart	2,438	100	1,414.25		9,389.02		10,794.27		4.42
Red Cross Outpost	Espanola	2,655	100	1,594.89		9,699.44		11,294.33		4.25
Red Cross Outpost	Haliburton	1,783	100	1,054.18		6,428.19		7,482.37		4.20
Red Cross Outpost	Hawk Junction	1,283	100	866.21		5,266.51		6,132.72		4.77
Kirkland District Hospital	Kirkland Lake	29,521	100	22,521.56		108,377.35		130,898.91		4.43
Red Cross Outpost	Mindenoya	3,925	100	1,884.39		10,150.67		12,035.06		3.06
Lady Minto Hospital	New Liskeard	3,535	100	2,232.62		10,330.66		12,563.28		3.55
Red Cross Outpost	Rainy River	1,724	100	1,122.01		7,746.74		8,868.75		5.18
Red Cross Outpost	Richard's Landing	1,326	100	685.84		5,576.09		6,261.93		4.72
Red Cross Outpost	Thessalon	2,325	100	929.92		7,699.38		8,629.30		3.71
<b>TOTALS</b>		<b>73,749</b>	<b>100</b>	<b>46,108.90</b>		<b>238,730.88</b>		<b>284,899.78</b>		<b>3.86</b>
The following Outposts maintain Public Health and Visiting Services throughout the District. The total costs shown include these services.										
Red Cross Outpost	Apsley	246	39	315.51		2,733.04		3,048.55		4.83
Red Cross Outpost	Atikokan	636	82	660.71		3,979.24		4,639.95		5.98
Red Cross Outpost*	Coe Hill	214	48	164.70		1,744.29		1,908.99		4.28
Red Cross Outpost	Hornepayne	1,046	90	778.51		3,800.10		4,578.61		3.98
Red Cross Outpost*	Kakabeka Falls	66	18	392.85		2,932.15		3,325.00		9.06
Red Cross Outpost	Lion's Head	429	54	540.94		3,906.40		4,447.34		5.59
Red Cross Outpost	Nakina	844	74	638.34		3,497.19		4,135.53		3.62
Red Cross Outpost	Port Loring	608	84	489.40		2,766.32		3,255.72		4.53
Red Cross Outpost*	Quibell	46	35	129.15		1,451.07		1,580.22		12.02
Red Cross Outpost	Redditt	39	10	222.66		2,461.29		2,683.95		6.87
Red Cross Outpost	Whitney	468	58	395.57		2,618.19		3,013.76		3.24
Red Cross Outpost	Wilberforce	116	42	286.38		2,626.87		2,913.25		10.54
Red Cross Car.		241	65	436.35		2,621.77		3,058.12		8.24
<b>TOTALS</b>		<b>4,999</b>	<b>60</b>	<b>5,451.07</b>		<b>37,137.92</b>		<b>42,588.99</b>		<b>5.12</b>
<b>Grand Totals</b>		<b>78,748</b>	<b>92</b>	<b>51,559.97</b>		<b>275,928.80</b>		<b>327,488.77</b>		<b>3.82</b>

\*Closed August 31, 1943.

†Hospital service only.

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from miscellaneous sources	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants	
						\$	c.
Red Cross Outpost	Apsley	755.40	10.50	38.95	267.15	1,072.00	
Red Cross Outpost	Atikokan	2,176.85		6.00	302.13	2,484.98	
Red Cross Outpost	Bancroft	5,686.61	331.75	3.37	921.05	6,942.78	
Red Cross Outpost	Beardmore	1,742.00	65.60		526.60	2,334.20	
Red Cross Outpost	Braacebridge	22,152.07	1,486.75	55.87	740.33	24,435.02	
Red Cross Outpost*	Coe Hill	410.22	42.60	28.00	3.53	484.35	
Red Cross Outpost	Dryden	14,008.80	731.50	31.20	2,037.89	16,809.39	
Red Cross Outpost	Emo	7,042.06	638.20	5.80		7,686.06	
Red Cross Outpost	Englehart	5,262.54	691.25		1,372.23	7,326.02	
Red Cross Outpost	Espanola	7,832.79	106.75	508.16	9.60	7,657.30	
Red Cross Outpost	Haliburton	3,204.71	152.45	61.26	1,283.82	4,702.24	
Red Cross Outpost	Hawk Junction	3,927.21	148.50		2,167.68	6,243.39	
Red Cross Outpost	Hornepayne	2,623.85		37.60	436.45	3,097.90	
Red Cross Outpost*	Kakabeka Falls	382.25		46.63	407.81	836.69	
Kirkland District Hospital	Kirkland Lake	110,843.35	3,313.20	46.95	4,684.32	118,889.82	
Red Cross Outpost	Lion's Head	1,109.55		51.00	945.50	2,106.05	
Red Cross Outpost	Mindenoya	8,401.72	446.25	53.65	807.47	9,709.09	
Red Cross Outpost	Nakina	1,759.10		12.00	391.74	2,162.84	
Lady Minto Hospital	New Liskeard	10,810.77	197.75	45.47	1,078.27	12,132.26	
Red Cross Outpost	Port Loring	1,365.75		26.00	248.95	1,640.70	
Red Cross Outpost*	Quibell	124.74				124.74	
Red Cross Outpost	Rainy River	3,222.00	81.75	11.79	1,588.47	4,904.01	
Red Cross Outpost	Redditt	166.80		2.79	278.77	448.36	
Red Cross Outpost	Richard's Landing	3,516.15	38.50	4.68	1,200.11	4,759.44	
Red Cross Outpost	Thessalon	4,677.75	161.00	61.82	313.48	5,214.05	
Red Cross Outpost	Whitney	1,162.24		83.50	6.15	1,251.89	
Red Cross Outpost	Wilberforce	568.85		8.75	475.04	1,052.64	
Red Cross Car.		615.80		50.00	210.10	875.90	
<b>TOTALS</b>		<b>224,753.93</b>	<b>8,644.30</b>	<b>1,281.24</b>	<b>22,704.64</b>	<b>257,384.11</b>	

\*Closed August 31, 1943.

## RED CROSS OUTPOST HOSPITALS (Cont'd)

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Infants born, days at 30c.	Days at 10c.	Grant for indigents from unorganized territory		Adjustments Debit	Total Government grant	
					\$ c.	\$ c.		\$ c.	\$ c.
Red Cross Outpost	Apsley	60	23		42.90				42.90
Red Cross Outpost	Atikokan								
Red Cross Outpost	Bancroft	1,117	493		818.10	8.75	30.60		796.25
Red Cross Outpost	Beardmore	39	14		27.60	103.60	7.20		124.00
Red Cross Outpost	Bracebridge	1,993	300		1,255.80	14.00	30.00		1,269.80
Red Cross Outpost*	Coe Hill	68	36		51.60		3.00		48.60
Red Cross Outpost	Dryden	2,562	700	782	1,825.40	2,891.75	289.05		4,428.10
Red Cross Outpost	Emo	936	52	55	582.70	183.75	1.20		765.25
Red Cross Outpost	Englehart	282	21	20	177.50	170.45	13.20		334.75
Red Cross Outpost	Espanola	924	132		594.00	194.25	17.60		770.65
Red Cross Outpost	Haliburton	484	253		366.30		3.00		363.30
Red Cross Outpost	Hawk Junction	32	20		25.20	491.70	28.80		488.10
Red Cross Outpost	Hornepayne	57	13		38.10				38.10
Red Cross Outpost*	Kakabeka Falls	9	9		8.10				8.10
Kirkland District Hospital	Kirkland Lake	4,165	538	1,005	2,761.20	1,690.65	176.00		4,275.85
Red Cross Outpost	Lion's Head	95	88		83.40				83.40
Red Cross Outpost	Mindemoya	705	424	97	559.90	58.65	21.90		596.65
Red Cross Outpost	Nakina	45			27.00	78.75			105.75
Lady Minto Hospital	New Liskeard	451	152		316.20	118.30			434.50
Red Cross Outpost	Port Loring	147	51		103.50				103.50
Red Cross Outpost*	Quibell	27	4		17.40	40.25			57.65
Red Cross Outpost	Rainy River	667	172		451.80	77.95			529.75
Red Cross Outpost	Redditt	4			2.40				2.40
Red Cross Outpost	Richard's Landing	416	40		261.60		9.00		252.60
Red Cross Outpost	Thessalon	930	151		603.30	96.25	82.80		616.75
Red Cross Outpost	Whitney	157	65		113.70				113.70
Red Cross Outpost	Wilberforce	33			19.80	12.25			32.05
Red Cross Car		8			4.80				4.80
<b>TOTALS</b>		<b>16,413</b>	<b>3,751</b>	<b>1,962</b>	<b>11,169.30</b>	<b>6,231.30</b>	<b>713.35</b>		<b>16,687.25</b>

\*Closed August 31, 1943.

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	No. of patients	LESS				Amount	LESS			TOTAL FOR Indigents	
			Days at \$2.35	Days at \$2.00	Days at 60c.	Days at 10c.		Days at 1.00	Days at 30c.	Amount		
Red Cross Outpost	Apsley											
Red Cross Outpost	Atikokan											
Red Cross Outpost	Bancroft	1	5		5		8.75				8.75	
Red Cross Outpost	Beardmore	5	50		50		87.50	3	23	23	16.10	
Red Cross Outpost	Bracebridge	1	8		8		14.00				14.00	
Red Cross Outpost*	Coe Hill											
Red Cross Outpost	Dryden	42	998	522	784	1,014	2,817.50	12	106	106	74.20	
Red Cross Outpost	Emo	5	105		105		183.75				183.75	
Red Cross Outpost	Englehart	9	93		93		162.75	1	11	11	7.70	
Red Cross Outpost	Espanola	5	111		111		194.25				194.25	
Red Cross Outpost	Haliburton											
Red Cross Outpost	Hawk Junction	2	42	240	133	149	481.00	1	11	11	7.70	
Red Cross Outpost	Hornepayne											
Red Cross Outpost*	Kakabeka Falls											
Kirkland District Hosp.	Kirkland Lake	52	926	15	903	10	1,663.30	3	33	19	27.30	
Red Cross Outpost	Lion's Head											
Red Cross Outpost	Mindemoya	3	27		8		58.65				58.65	
Red Cross Outpost	Nakina	1	45		45		78.75				78.75	
Lady Minto Hospital	New Liskeard	4	62		62		108.50	1	14	14	9.80	
Red Cross Outpost	Port Loring											
Red Cross Outpost*	Quibell	1	23		23		40.25				40.25	
Red Cross Outpost	Rainy River	3	15		16		78.15				77.95	
Red Cross Outpost	Redditt											
Red Cross Outpost	Richard's Ldg.											
Red Cross Outpost	Thessalon	3	55		55		96.25				96.25	
Red Cross Outpost	Whitney											
Red Cross Outpost	Wilberforce	1	7		7		12.25				12.25	
Red Cross Car												
<b>TOTALS</b>		<b>138</b>	<b>2,602</b>	<b>777</b>	<b>2,438</b>	<b>1,173</b>	<b>6,088.60</b>	<b>21</b>	<b>198</b>	<b>184</b>	<b>142.80</b>	<b>6,231.30</b>

\*Closed August 31, 1943.

†Incurable patients.



## CONVALESCENT HOSPITALS

TABLE No. I.—Showing the bed capacity, together with the movement of patients in each hospital separately.

Name of Hospital,	Location	Bed capacity	Patients in residence, Jan. 1, 1943	Patients admitted during year	Total patients treated during year	Patients discharged during year	Deaths during year	Patients in residence, Dec. 31, 1943
Children's Convalescent Hospital*	Burlington	36		73	73	73		
Blue Mountain Camp for Crippled Children*	Collingwood	45		172	172	172		
St. John's Convalescent Hospital	Newtonbrook	64	51	598	649	602	2	45
Civitan Convalescent Camp*	Toronto	33		30	30	30		
Daughters of the Empire Hospital for Convalescent Children	Toronto	120	83	290	373	294		79
Hillcrest Convalescent Hospital	Toronto	44	28	264	292	262	1	29
<b>TOTALS</b>		<b>342</b>	<b>162</b>	<b>1,427</b>	<b>1,589</b>	<b>1,433</b>	<b>3</b>	<b>153</b>

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days for year	Average number of patients in hospital daily	Number of graduate staff	Number of other employees
Children's Convalescent Hospital*	Burlington	73	1,940	36	4	2
Blue Mountain Camp for Crippled Children*	Collingwood	172	3,638	39	3	12
St. John's Convalescent Hospital	Newtonbrook	649	20,599	56	11	32
Civitan Convalescent Camp*	Toronto	30	527	15	1	3
Daughters of the Empire Hospital for Convalescent Children	Toronto	373	30,413	83	6	49
Hillcrest Convalescent Hospital	Toronto	292	11,379	31	5	12
<b>TOTALS</b>		<b>1,589</b>	<b>68,496</b>	<b>171</b>	<b>30</b>	<b>110</b>

TABLE No. III.—Showing the cost of operating the hospitals; also the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Cost of dietary supplies	Other operating costs	Total operating cost, excluding provision for bad debts, depreciation, interest, and capital charges	Average daily per capita cost	Interest and capital charges
			\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Children's Convalescent Hospital*	Burlington	1,940	689.37	1,357.19	2,046.56	1.05	
Blue Mountain Camp for Crippled Children*	Collingwood	3,638	1,604.32	4,741.26	6,345.58	1.74	
St. John's Convalescent Hospital	Newtonbrook	20,599	17,879.56	42,703.02	60,582.58	2.94	
Civitan Convalescent Camp*	Toronto	327	544.74	61.21	605.95	1.15	
Daughters of the Empire Hospital for Convalescent Children	Toronto	30,413	15,211.79	60,439.27	75,651.06	2.49	
Hillcrest Convalescent Hospital	Toronto	11,379	7,154.82	15,890.86	23,045.68	2.03	
<b>TOTALS</b>		<b>68,496</b>	<b>43,084.60</b>	<b>125,192.81</b>	<b>168,277.41</b>	<b>2.46</b>	

\*These camps operate in summer months only.

## CONVALESCENT HOSPITALS (Cont'd)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment		Income from municipalities for patients' treatment		Income from investments, endowments, property, miscellaneous		Income from donations, bequests and other gratuitous sources		Total income from all sources other than Government grant	
		\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
Children's Convalescent Hospital	Burlington					11.37		1,356.10		1,367.47	
Blue Mountain Camp for Crippled Children	Collingwood			151.25		23.96		3,226.30		3,401.51	
St. John's Convalescent Hospital	Newtonbrook	44,796.57		8,473.75		\$49.23		6,633.36		60,752.91	
Civitan Convalescent Camp	Toronto			324.00						324.00	
Daughters of the Empire Hospital for Convalescent Children	Toronto	7,671.61		29,607.00		9,753.34		13,942.88		60,974.83	
Hillcrest Convalescent Hospital	Toronto	14,206.04		7,283.75		799.05				22,288.84	
<b>TOTALS</b>		66,674.22		45,839.75		11,430.95		25,158.64		149,109.56	

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Days at 10c.	Grant for indigents from unorganized territory		Adjustments Credit	Total Government grant
				\$	c.		
Children's Convalescent Hospital	Burlington	1,555		622.00			622.00
Blue Mountain Camp for Crippled Children	Collingwood	3,638		1,455.20			1,455.20
St. John's Convalescent Hospital	Newtonbrook	7,780	34	3,115.40	92.50		3,207.90
Civitan Convalescent Camp	Toronto	527		210.80			210.80
Daughters of the Empire Hospital for Convalescent Children	Toronto	21,270	7,735	9,281.50	\$24.45	62.00	10,167.95
Hillcrest Convalescent Hospital	Toronto	5,899	76	2,367.20			2,367.20
<b>TOTALS</b>		40,669	7,845	17,052.10	916.95	62.00	18,031.05

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Number of patients	Days at \$1.05	LESS		Amount
				Days at 40c.	Days at 10c.	
Children's Convalescent Hospital	Burlington					
Blue Mountain Camp for Crippled Children	Collingwood					
St. John's Convalescent Hospital	Newtonbrook	2	74	74		92.50
Civitan Convalescent Camp	Toronto					
Daughters of the Empire Hospital for Convalescent Children	Toronto	3	547	78	469	824.45
Hillcrest Convalescent Hospital	Toronto					
<b>TOTALS</b>		5	621	152	469	916.95

## HOSPITALS FOR INCURABLES

TABLE No. I.—Showing the bed capacity, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed capacity	Patients in residence, Jan. 1, 1943	Patients admitted during year	Total patients treated during year	Patients discharged during year	Deaths during year	Patients in residence, Dec. 31, 1943
St. Peter's Infirmary.....	Hamilton.....	100	105	52	157	18	32	107
Parkwood Hospital for Incurables.....	London.....	143	142	55	195	16	39	140
Perley Home for Incurables.....	Ottawa.....	102	99	43	142	18	29	95
St. Vincent Hospital for Incurables.....	Ottawa.....	209	197	142	339	25	112	202
Home for Incurable Children.....	Toronto.....	40	36	3	39	1		38
Our Lady of Mercy Hospital for Incurables.....	Toronto.....	273	269	173	442	44	127	271
Queen Elizabeth Hospital for Incurables.....	Toronto.....	386	387	190	577	27	167	383
East Windsor Hospital for Incurables.....	Windsor.....	176	165	275	440	118	153	169
<b>TOTALS.....</b>		<b>1,429</b>	<b>1,400</b>	<b>931</b>	<b>2,331</b>	<b>267</b>	<b>659</b>	<b>1,40</b>

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days, for year	Average number of patients in hospital daily	Number of graduate nurses	Number of other employees, including nurses-in-training	Percentage of beds occupied during year
							%
St. Peter's Infirmary.....	Hamilton.....	157	39,350	108	5	52	107.8
Parkwood Hospital for Incurables.....	London.....	195	51,883	142	12	66	99.4
Perley Home for Incurables.....	Ottawa.....	142	35,566	97	10	54	95.5
St. Vincent Hospital for Incurables.....	Ottawa.....	339	72,624	199	7	126	95.2
Home for Incurable Children.....	Toronto.....	39	12,971	36	3	22	88.8
Our Lady of Mercy Hospital for Incurables.....	Toronto.....	442	98,428	270	45	64	98.8
Queen Elizabeth Hospital for Incurables.....	Toronto.....	577	140,365	385	51	176	99.6
East Windsor Hospital for Incurables.....	Windsor.....	440	62,208	170	6	52	96.8
<b>TOTALS.....</b>		<b>2,331</b>	<b>513,395</b>	<b>1,407</b>	<b>139</b>	<b>612</b>	<b>98.4</b>

TABLE No. III.—Showing the cost of operating the hospitals; also the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Cost of dietary supplies	Other operating costs	Total operating cost, excluding provision for bad debts, depreciation, interest and capital charges	Average daily per capita cost	Interest and capital charges
			\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
St. Peter's Infirmary.....	Hamilton.....	39,350	15,113.16	54,606.69	69,719.85	1.77	600.00
Parkwood Hospital for Incurables.....	London.....	51,883	19,513.35	67,828.92	87,342.27	1.68	
Perley Home for Incurables.....	Ottawa.....	35,566	13,390.65	53,449.62	66,840.27	1.88	1,939.03
St. Vincent Hospital for Incurables.....	Ottawa.....	72,624	36,412.76	101,423.81	137,836.57	1.90	
Home for Incurable Children.....	Toronto.....	12,971	6,209.73	23,093.16	29,302.89	2.26	
Our Lady of Mercy Hospital for Incurables.....	Toronto.....	98,428	38,019.18	136,002.10	174,021.28	1.77	10,541.73
Queen Elizabeth Hospital for Incurables.....	Toronto.....	140,365	70,797.31	231,275.22	302,072.53	2.15	
East Windsor Hosp. for Incurables.....	Windsor.....	62,208	23,624.98	88,997.06	112,622.04	1.81	
<b>TOTALS.....</b>		<b>513,395</b>	<b>223,081.12</b>	<b>756,676.58</b>	<b>979,757.70</b>	<b>1.91</b>	<b>13,080.76</b>

## HOSPITALS FOR INCURABLES (Cont'd)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment		Income from municipalities for patients' treatment		Income from investments, endowments, property, miscellaneous		Income from donations, bequests and other gratuitous sources		Total income from all sources other than Government grant	
		\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
St. Peter's Infirmary.....	Hamilton.....	44,465.33		26,028.60		1,277.23		132.17		71,903.33	
Parkwood Hospital for Incurables.....	London.....	46,433.48		36,725.52		7,545.63		196.02		90,900.65	
Perley Home for Incurables.....	Ottawa.....	31,404.38		29,247.81		69.08		2,210.72		62,931.99	
St. Vincent Hospital for Incurables.....	Ottawa.....	33,216.50		77,405.57		179.33		104.69		110,906.09	
Home for Incurable Children.....	Toronto.....	1,470.45		4,312.60		7,339.48		26,013.59		39,136.12	
Our Lady of Mercy Hospital.....	Toronto.....	43,050.35		114,948.00		977.49		670.00		159,645.84	
Queen Elizabeth Hospital for Incurables.....	Toronto.....	68,102.67		165,651.00		216.67		1,023.50		234,993.84	
East Windsor Hosp. for Incurables.....	Windsor.....	23,579.00		72,497.41		35.39				96,111.80	
<b>TOTALS</b> .....		<b>291,722.16</b>		<b>526,816.51</b>		<b>17,640.30</b>		<b>30,350.69</b>		<b>866,529.66</b>	

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Amount	Grant for indigents from unorganized territory	Adjustments		Total Government grant
					Debit	Credit	
			\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
St. Peter's Infirmary.....	Hamilton.....	28,205	11,282.00	429.60	72.80		11,638.80
Parkwood Hospital for Incurables.....	London.....	36,928	14,771.20				14,771.20
Perley Home for Incurables.....	Ottawa.....	27,427	10,970.80		3.20		10,967.60
St. Vincent Hospital for Incurables.....	Ottawa.....	67,957	27,182.80	1,168.00			28,350.80
Home for Incurable Children.....	Toronto.....	12,971	5,188.40	521.40		62.60	5,772.40
Our Lady of Mercy Hosp. for Incurables.....	Toronto.....	83,152	33,260.80	3,188.80	72.00		36,377.60
Queen Elizabeth Hosp. for Incurables.....	Toronto.....	114,267	45,706.80	2,417.60	32.40		48,092.00
East Windsor Hosp. for Incurables.....	Windsor.....	57,246	22,898.40		.80		22,897.60
<b>TOTALS</b> .....		<b>428,153</b>	<b>171,261.20</b>	<b>7,725.40</b>	<b>181.20</b>	<b>62.60</b>	<b>178,868.00</b>

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Number of patients	Days at \$2.00	Less		Amount
				Days at 40c.		
						\$ c.
St. Peter's Infirmary.....	Hamilton.....	1	223	223		356.80
Parkwood Hospital for Incurables.....	London.....					
Perley Home for Incurables.....	Ottawa.....					
St. Vincent Hospital for Incurables.....	Ottawa.....	2	730	730		1,168.00
Home for Incurable Children.....	Toronto.....	1	365	365		584.00
Our Lady of Mercy Hospital for Incurables.....	Toronto.....	11	1,993	1,993		3,188.80
Queen Elizabeth Hospital for Incurables.....	Toronto.....	5	1,511	1,511		2,417.60
East Windsor Hospital for Incurables.....	Windsor.....					
<b>TOTALS</b> .....		<b>20</b>	<b>4,822</b>	<b>4,822</b>		<b>7,715.20</b>

## SANATORIA FOR CONSUMPTIVES

TABLE No. I.—Showing the bed complement, together with the movement of patients in each institution separately.

Name of Sanatorium	Location	Bed Complement		Patients in residence, Jan. 1, 1943	* Patients admitted during year	Live births during year	Total patients treated during year	† Patients discharged during year	Deaths during year	Patients in residence, Dec. 31, 1943
		Adults' beds	Children's beds							
Brant Sanatorium.....	Brantford.....	108		91	138		229	95	31	103
St. Lawrence Sanatorium.....	Cornwall.....	112		109	78		187	65	18	104
Fort William Sanatorium.....	Fort William.....	193	3	187	208		395	180	26	189
Muskoka Hospital.....	Gravenhurst.....	440		400	237		637	236	46	355
St. Mary's on-the-Lake Sanatorium.....	Haileybury.....	106		99	95	1	195	65	39	91
Mountain Sanatorium.....	Hamilton.....	698	22	690	639	7	1,336	504	141	691
Kingston Sanatorium.....	Kingston.....	47		47	69	1	117	55	18	44
Freeport Sanatorium.....	Kitchener.....	150		145	133		278	106	21	151
Queen Alexandra Sanatorium.....	London.....	577	34	532	500	1	1,033	405	79	549
Royal Ottawa Sanatorium.....	Ottawa.....	177	35	186	220		406	149	61	196
Niagara Peninsula Sanatorium.....	St. Catharines.....	89		87	113		200	97	17	86
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children.....	Weston.....	535	71	578	394	8	980	349	126	505
Essex County Sanatorium.....	Windsor.....	175	10	166	198	1	365	162	32	171
<b>TOTALS.....</b>		<b>3,407</b>	<b>175</b>	<b>3,317</b>	<b>3,022</b>	<b>19</b>	<b>6,358</b>	<b>2,468</b>	<b>655</b>	<b>3,235</b>

\*Does not include patients returning from temporary leaves of absence or temporary transfers to public hospitals.

†Does not include patients going on temporary leaves of absence or temporarily transferred to public hospitals.

TABLE No. II.—Showing the collective stay in days of the patients admitted to and infants born in the institutions; also the average stay in days each patient was under treatment.

Name of Sanatorium	Location	Total patients treated during year	Total collective days' stay of patients for year	Average days' stay of each patient for year	Average number of patients in sanatorium daily	Number of graduate and professional staff		Number of all other employees	Percentage of beds occupied during year
						Full time	Part time		
Brant Sanatorium.....	Brantford.....	229	37,993	165.9	104	11	1	40	96.8
St. Lawrence Sanatorium.....	Cornwall.....	187	39,533	211.4	108	12	1	33	97.2
Fort William Sanatorium.....	Fort William.....	395	69,192	175.2	189	18	1	38	96.7
Muskoka Hospital.....	Gravenhurst.....	637	140,965	221.3	386	33		172	88.9
St. Mary's on-the-Lake Sanatorium.....	Haileybury.....	195	35,968	184.5	99	9	1	47	92.5
Mountain Sanatorium.....	Hamilton.....	1,336	257,088	192.4	704	76	1	272	98.7
Kingston Sanatorium.....	Kingston.....	117	16,843	143.9	46	10	1	15	98.3
Freeport Sanatorium.....	Kitchener.....	278	55,457	199.5	152	22	1	36	100.7
Queen Alexandra Sanatorium.....	London.....	1,033	197,192	190.9	540	67	2	231	89.2
Royal Ottawa Sanatorium.....	Ottawa.....	406	70,287	173.1	193	29	1	53	91.5
Niagara Peninsula Sanatorium.....	St. Catharines.....	200	31,810	159.0	87	11	1	31	97.8
Toronto Hospital for Consumptives and Queen Mary H. for Con. Children.....	Weston.....	980	199,684	203.8	583	80	2	187	86.9
Essex County Sanatorium.....	Windsor.....	365	63,187	173.1	173	24	1	70	96.1
<b>TOTALS.....</b>		<b>6,358</b>	<b>1,215,418</b>	<b>191.2</b>	<b>3,329</b>	<b>402</b>	<b>14</b>	<b>1,225</b>	<b>92.9</b>

TABLE No. III.—Showing the cost of operating the sanatoria; also the average daily cost of each patient.

Name of Sanatorium	Location	Total collective days' stay of all patients	Cost of dietary supplies		Other operating costs, excluding provision for bad debts and depreciation	Total operating cost, excluding provision for bad debts and depreciation	Average daily per capita cost, excluding provision for bad debts and depreciation	Interest and exchange on long-term loans	
			\$	c.					
Brant Sanatorium.....	Brantford.....	37,993	26,577.56		57,801.82	\$ 84,379.38	\$ c.	2.22	
St. Lawrence Sanatorium.....	Cornwall.....	39,533	20,969.06		64,041.34	85,010.40		2.15	
Fort William Sanatorium.....	Fort William.....	69,192	37,352.13		89,137.56	126,489.69		1.83	
Muskoka Hospital.....	Gravenhurst.....	140,965	99,075.37		293,728.33	392,803.70		2.78	
St. Mary's on-the-Lake Sanatorium.....	Haileybury.....	35,968	19,914.55		50,116.00	70,030.55		1.95	
Mountain Sanatorium.....	Hamilton.....	257,088	151,738.01		419,004.96	570,742.97		2.22	
Kingston Sanatorium.....	Kingston.....	16,843	12,115.22		30,524.52	42,639.74		2.53	
Freeport Sanatorium.....	Kitchener.....	55,457	30,060.91		91,023.25	121,084.16		2.18	
Queen Alexandra Sanatorium.....	London.....	197,192	129,466.88		372,954.46	502,421.34		2.54	
Royal Ottawa Sanatorium.....	Ottawa.....	70,287	35,412.52		151,251.81	186,064.33		2.64	
Niagara Peninsula Sanatorium.....	St. Catharines.....	31,810	20,704.40		80,102.65	100,807.05		3.17	
Toronto H. for Consumptives and Queen Mary H. for Con. Child.....	Weston.....	199,684	118,313.79		411,814.63	530,128.42		2.65	
Essex County Sanatorium.....	Windsor.....	63,187	40,534.28		116,879.54	157,413.82		2.49	
<b>TOTALS.....</b>		<b>1,215,418</b>	<b>742,234.68</b>		<b>2,228,380.87</b>	<b>2,970,615.55</b>		<b>2.44</b>	<b>28,197.18</b>

## SANATORIA FOR CONSUMPTIVES (Cont'd)

TABLE No. IV.—Showing the sources of income of sanatoria.

Name of Sanatorium	Location	Income from patients and their agencies for maintenance in Sanatorium	Income from municipalities	Sundry income, including Christmas seals	Income from out-patient service	Income from earnings on investments, endowments, etc.	Total income from all sources other than Government grant and contributed funds	* Contributed funds
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Brant Sanatorium	Brantford	27,446.84		1,739.49	4,587.00	627.44	34,400.77	5,923.25
St. Lawrence Sanatorium	Cornwall	2,900.19	745.94	2,222.36	2,441.38	373.10	8,682.97	5,838.37
Fort William Sanatorium	Fort William	31,889.43		5,465.91	4,482.00	2,893.14	44,730.48	47.00
Muskoka Hosp. for Con.	Gravenhurst							
Toronto Hosp. for Con.	Weston	108,534.26		50,983.07	7,496.81	107,743.56	274,757.70	26,720.47
St. Mary's-on-the-Lake San.	Haileybury	12,448.10		10,063.12	821.50		23,332.72	30.13
Mountain Sanatorium	Hamilton	92,736.71		38,257.98	7,548.50	11,551.50	150,094.69	11,119.76
Kingston Sanatorium	Kingston	12,238.58					12,238.58	
Freeport Sanatorium	Kitchener	24,895.41	140.00	5,079.23	7,861.00	1,708.56	39,684.20	2,521.45
Queen Alexandra Sanatorium	London	91,437.99		22,308.57	6,548.50	18,747.73	139,042.79	
Royal Ottawa Sanatorium	Ottawa	19,682.45	11,289.64	2,964.08	6,821.50		40,757.67	650.00
Niagara Peninsula Sanatorium	St. Catharines	10,409.50	5,400.00	15,543.55	10,765.39	2,275.36	44,393.80	2,961.17
Essex County Sanatorium	Windsor	15,836.37		9,490.40	5,047.40		30,374.17	23,842.02
<b>TOTALS</b>		<b>450,455.83</b>	<b>17,575.58</b>	<b>164,117.76</b>	<b>64,420.98</b>	<b>145,920.39</b>	<b>842,490.54</b>	<b>79,653.62</b>

\*NOTE.—Contributed funds represent legacies, bequests, donations, etc., which may be used for capital purposes, invested as semi-permanent investments or used for general purposes at the discretion of the board of directors.

TABLE No. V.—Showing the basis on which the statutory aid is granted.

Name of Sanatorium	Location	Days at \$2.10	Infant days at \$1.00	Amount	Adjustments		Total Government grant
					Credit	Debit	
				\$ c.	\$ c.	\$ c.	\$ c.
Brant Sanatorium	Brantford	29,554		62,063.40		264.00	61,799.40
St. Lawrence Sanatorium	Cornwall	38,436		80,715.60		162.00	80,553.60
Fort William Sanatorium	Fort William	57,535		120,823.50	18.00		120,841.50
Muskoka Hospital	Gravenhurst	130,873		274,833.30		126.00	274,707.30
St. Mary's-on-the-Lake Sanatorium	Haileybury	30,249	9	63,531.90		304.00	63,227.90
Mountain Sanatorium	Hamilton	233,989	515	491,891.90		3,544.50	488,347.40
Kingston Sanatorium	Kingston	13,586	13	28,543.60	734.90		29,278.50
Freeport Sanatorium	Kitchener	48,907		102,704.70		514.00	102,190.70
Queen Alexandra Sanatorium	London	173,195		*363,847.00		830.00	363,017.00
Royal Ottawa Sanatorium	Ottawa	66,648		139,960.80	234.00		140,194.80
Niagara Peninsula Sanatorium	St. Catharines	30,489		64,026.90		194.00	63,832.90
Toronto Hospital for Consumptives and Queen Mary H. for Con. Children	Weston	184,823	529	†388,716.70		252.00	388,464.70
Essex County Sanatorium	Windsor	61,011	1	128,124.10			128,124.10
<b>TOTALS</b>		<b>1,099,295</b>	<b>1,067</b>	<b>2,309,783.40</b>	<b>986.90</b>	<b>6,190.50</b>	<b>2,304,579.80</b>

\*A special rate of \$1.10 per day for 125 days arranged.

†A special rate of \$1.10 per day for 54 days arranged.

INFORMATION CONCERNING PRIVATE HOSPITALS, REST HOMES, CONVALESCENT HOSPITALS, ETC., LICENSED DURING THE YEAR UNDER REPORT

Location	Name of Hospital	Licencee	Type	Bed Capacity
<b>PRIVATE HOSPITALS</b>				
Ajax.....	Pickering Works General Hospital	Defence Industries Ltd.	Medical and Surgical	32
Brantford.....	Brantford Private Hospital	Mrs. F. Marie Easterbrook	Medical	12
Cambellford.....	Cambellford Private Hospital	Dr. E. A. Strain	Surgical and Maternity	1
Connaught Station.....	Connaught Private Hospital	Dr. J. H. A. MacDonald	Medical, Minor Surgical and Maternity	1
Copper Cliff.....	International Nickel Co. Private Hospital	International Nickel Co. of Canada, Ltd.	Medical and Surgical	33
Elmira.....	Turner Private Hospital	Mrs. Emma Turner	Medical	12
Favourable Lake.....	Berens River Mines Hospital	Dr. L. C. Bartlett	Medical and Surgical	4
Port William*.....	Margaret Jane Dewar Private Hospital	Dr. R. Kerr Dewar	Medical, Surgical and Maternity	6
Hamilton.....	Salvation Army Maternity Hospital	Salvation Army	Maternity	22
Havelock.....	Havelock Private Hospital	Mrs. Lorenda Cummins	Medical, Surgical and Maternity	27
Hawkesbury.....	Dr. Kelly's Private Hospital	Dr. E. P. Kelly	Medical, Surgical and Maternity	12
Hawkesbury.....	Hospital of the Asylum of the Good Shepherd of Quebec	Asylum of the Good Shepherd	Maternity	29
Hawkesbury.....	Dr. Smith's Private Hospital	Dr. T. W. Smith	Medical, Surgical and Maternity	12
Kapuskasing.....	Senschenbener Private Hospital	Source Falls Paper & Paper Co.	Medical, Surgical and Maternity	12
Leamington.....	Rotary Hopewell Private Hospital	Rotary Hopewell Hospital Assn.	Medical, Surgical and Maternity	50
Little Long Lac.....	Little Long Lac Hospital	Little Long Lac Hospital Assn.	Medical, Surgical and Maternity	53
London.....	Mason Villa Private Hospital	Mrs. Hazel W. Mason, Reg. N.	Medical, Surgical and Maternity	30
London.....	Nogers Private Hospital	Mrs. E. M. Rogers	Medical and Maternity	21
London.....	Salvation Army Bethesda Hospital	Salvation Army	Maternity	21
Markdale.....	Salvation Army Private Hospital	Dr. R. E. Carefoot	Medical, Surgical and Maternity	21
Milton.....	Markdale Private Hospital	Dr. C. K. St. John	Medical, Surgical and Maternity	20
Mouse Factory.....	Newblith Cottage Hospital	Miscellaneous	Medical, Surgical and Maternity	10
Mooseeet.....	Mooseeet Private Hospital	The Roman Catholic Episcopal Corporation of James Bay	Medical	20
McKenzie Island.....	McKenzie Island Hospital	McKenzie Red Lake Gold Mines Ltd.	Medical, Surgical and Maternity	8
Nobel.....	Nobel Works General Hospital	Defence Industries Ltd.	Medical, Surgical and Maternity	5
Oakville.....	Oakville Private Hospital	Miss William Bezzo, Reg. N.	Medical, Surgical and Maternity	10
Oroville.....	Hillcrest Private Hospital	Misses Josie E. Brady and Frances M. Dean, Reg. N.	Medical and Maternity	15
Ottawa.....	Duke-Kingard Inhalation Hospital	Mrs. Arnes Wharrey-Smith, Reg. N.	Medical	71 up-pts.
Ottawa.....	Hartington Nursing Home	Mrs. Mabel D. Thomas, Reg. N.	Medical	20
Ottawa.....	Ridout Terrace Private Hospital	Mrs. A. E. Levesque, Reg. N.	Maternity	12
Port Perry.....	Port Perry Private Hospital	Mrs. Nellie Whitmore, Reg. N.	Medical, Surgical and Maternity	57
Preston*.....	Preston Springs Sanatorium	Drs. L. G. and J. E. Hargreave	Medical, Surgical and Maternity	5
Pickle-Crow.....	Pickle-Crow Gold Mines Private Hospital	Pickle-Crow Gold Mines Ltd.	Medical, Minor Surgical and Maternity	13
St. Mary's*.....	Beth Haven Private Hospital	Mrs. Howard Dick, Reg. N.	Medical and Minor Surgical	11
Sarnia.....	Polymer Corporation Private Hospital	Polymer Corporation Ltd.	Medical, Surgical and Maternity	31
Smooth Rock Falls.....	Smooth Rock Falls Private Hospital	Abdial Power & Paper Co.	Medical, Surgical and Maternity	26
Stonerville.....	Brierbush Private Hospital	Mr. and Mrs. E. R. Good	Medical, Minor Surgical and Maternity	10
Stutton West.....	Sutton Private Hospital	Miss Elsie V. King	Medical and Maternity	23
Thorold.....	Maplehurst Private Hospital	Miss Florence I. Stevenson, Reg. N.	Medical and Maternity	18
Toronto.....	200 Danforth Ave.	Mrs. Elizabeth McCulloch	Medical, Minor Surgical and Maternity	15
Toronto.....	867 Colborne St.	Mr. Wm. P. Murphy	Medical	15
Toronto.....	435 Walmer Rd.	Miss Alice M. Jeffrey	Medical	11
Toronto.....	47 Dewson St.	Mrs. Jean Cunningham	Medical	11
Toronto.....	923 College St.	Miss Ellen Whitford, Reg. N.	Medical	73 up-pts.
Toronto.....	432 Sherbourne St.	Miss Bess Newsome, Reg. N.	Medical and Maternity	31
Toronto.....	429 Walmer Rd.	Mrs. Marion Metcalfe, Reg. N.	Medical	12
Toronto.....	880 St. Clair Ave. W.	Dr. W. S. Grimshaw	Medical, Surgical and Maternity	10

## Private Hospitals (Cont'd)

Toronto—					
53 Harvie Ave.....	St. Clair Private Hospital.....	Dr. Harold E. Baker.....	Maternity.....	1	
550 Jarvis St.....	St. Mary's Private Hospital.....	Sisters of Mercy.....	Medical, Surgical and Maternity.....	25	
32 Gothic Ave.....	Strathcona Private Hospital.....	Miss Anne McConnell, Reg. N.....	Maternity.....	41	
Vankleek Hill.....	Wankleek Hill Private Hospital.....	Dr. W. MacCallum.....	Medical, Surgical and Maternity.....	16	
Waterford.....	Waterford Private Hospital.....	Mr. E. K. White.....	Medical, Minor Surgical and Maternity.....	20	
Weston.....	Weston Private Hospital.....	Mrs. E. I. Piche.....	Medical, Surgical and Maternity.....	9	
Wlarton††.....	Porter Private Hospital.....	Mrs. Eva Porter.....			

## CONVALESCENT HOSPITALS

Cobourg.....  
Toronto—10 Homewood Place.....

Miss Effie C. Bolster.....	Convalescent.....	5
Miss Rosa Middleton, Reg. N.....	Convalescent.....	8

## REST HOMES

Dundas.....  
Markham.....  
Pendleton††.....  
Toronto—38 Huntley St.....

Mrs. Abigail Hall.....	Rest Home.....	38
Miss A. Elsie Mayhew.....	Rest Home.....	4
Miss Irene Tucker, Reg. N.....	Rest Home.....	10
Dr. F. F. Carr-Harris.....	Rest Home.....	11

## HOSPITALS FOR ALCOHOLIC PATIENTS

Toronto—43 Wellsley St.....

Messrs. G. R. Wood and J. J. Woodmough.....	Alcoholics.....	11
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\*Closed May 9, 1943.

Wood Sanatorium..... †Closed March 1, 1943.

††Closed December 15, 1943.

‡Closed April 10, 1943. ‡‡Closed April 13, 1943.



# Annual Report

UPON THE

## Prisons and Reformatories

OF THE  
PROVINCE OF ONTARIO  
FOR THE YEAR ENDING 31st MARCH

# 1943

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
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1943

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TO THE HONOURABLE ALBERT MATTHEWS,  
*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present the Annual Report upon the Prisons and Reformatories of the Province of Ontario for the year ending 31st March, 1943.

Respectfully yours,

N. O. HIPEL,  
*Provincial Secretary.*



HONOURABLE NORMAN O. HIPEL,  
*Provincial Secretary of Ontario.*

Sir:

Herewith are the annual statistics of the Gaols and Reformatories, the reports of the Reformatory Superintendents, the Board of Parole and the Salvation Army Prison and Police Court report for the year which ended March 31, 1943.

During each of the past four years there has been a decrease in the number of prisoners in Ontario committed to the Gaols for trial and also a decrease in the number sentenced to prison. In this fourth year, which is under review in this report, the decreases were not great. There were 25,411 committed and 18,551 sentenced to prison. In the previous year 27,255 were committed and 19,652 sentenced. The following table shows committals and sentences for all the years from 1913.

Year ending September 30th	Approximate popula- tion of Ontario	Persons Committed for Trial	Persons Sentenced to Prison
1913	2,767,000	19,250	11,897
1914	2,770,000	22,777	14,801
1915	2,788,000	20,337	12,663
1916	2,728,000	16,100	9,364
1917	2,750,000	12,445	7,867
1918	2,769,000	13,242	7,874
1919	2,821,000	13,096	7,904
1920	2,849,000	14,756	8,643
1921	2,934,000	16,800	9,790
1922	3,101,000	14,800	9,312
1923	3,035,000	13,995	8,036
1924	3,075,000	15,879	8,834
1925	3,115,000	18,023	11,306
1926	3,151,000	18,033	11,371
1927	3,176,000	20,578	13,927
1928	3,241,000	23,786	16,358
1929	3,285,000	25,980	17,626
1930	3,366,000	29,126	21,421
1931	3,432,000	26,358	18,127
1932	3,479,000	25,235	15,804
1933	3,510,000	22,484	14,538
1934	3,540,000	20,916	13,509
Year ending March 31, 1936	3,690,000	24,053	16,356
1937	3,711,000	27,592	20,618
1938	3,731,000	30,345	23,649
1939	3,750,000	34,914	27,926
1940	3,755,000	33,075	26,543
1941	3,757,000	30,875	25,627
1942	3,760,000	27,225	19,652
1943	3,790,000	25,411	18,551

NOTE: The fiscal year was changed in 1935 to end March 31.

The decrease during this past year occurred in fact during the early part of the year and during the balance, committals and sentences continued steady. Thus, it appears that the decrease during the past four years actually ended late in the summer of 1942.

As a province and as a nation, it is a serious matter that at a time when human resources are so greatly needed many persons cannot or will not restrain their anti-social tendencies and play a manful part in the present world crisis. The causes of this condition must receive serious consideration.

The Superintendent of the Ontario Reformatory, Guelph, in his report for the year, among other facts gave the results of intelligence tests of a fairly average group of prisoners as follows:

- 17.89% were mental defectives.
- 12.35% were borderline intelligence.
- 28.65% were dull normal intelligence.
- 40.09% were normal intelligence.
- 1.02% were superior intelligence.

Educational tests were given to those of this group who were above borderline intelligence with the following results:

- Only 2.96% had an education equal to their own statement.
- 4.10% had an education superior to their own statement.
- 92.94% had an education inferior to their own claims.
- Only 14.12% had entrance standing or better.
- 61.28% had less than Grade Six standing.

Thus, in this fairly average group 41.11% were found to be in the fully normal and superior intelligence group and 92.94% of those who were in these normal or superior intelligence groups had an exaggerated and unwarranted opinion of their education and abilities.

The causes of crime are many and often complex. However, it has been found that the largest single factor is the lack of proper training in childhood, chiefly in the home. Thus, many of our prisoners come from broken homes. Many come from unbroken homes, where the parents worked hard to provide their children with shelter, clothing and food, but failed to work hard and together in training those children, totally oblivious of the fact that the latter was the most important of all the necessities of life.

Some prisoners come from home conditions so sordid that crime is the natural and inevitable result.

The mentally defective child requires more than average attention, direction, good habit forming care and vocational training over a lengthy period of years, if he or she is to fill a useful niche in life. It is obvious, therefore, that when the mentally defective child develops in any of the above mentioned home conditions, the resultant adolescent or adult is a misfit and anti-social and probably will continue as such, despite the best efforts to correct.

Lack of proper home training is chiefly responsible too for the fact that prisoners in the normal and superior intelligence groups find themselves in trouble. They do not properly use their intelligence, because they were not trained to think properly. They are careless thinkers and therefore, live carelessly.

Proper home training has broken down during the past quarter century more than previously. Therefore, we have more prisoners, wasted lives, more citizens injured because of crime and more burden on the honest, law-abiding citizens. It is appropriate for the state now to give consideration, for its own protection, to the degree it must step in and apply the necessary remedy where parents are failing in their duties.

It is important that action be taken to detect juvenile delinquency in its early stages to take the facts to the parents of such children, assist them to correct and if they cannot or do not quickly succeed, then other appropriate

methods should be used. It is of the utmost importance that full efforts be made while such children are still in their early habit forming years.

There are many organizations, associations, officials and private citizens doing grand work but they are not fully correlated and cannot for lack of funds and helpers cover nearly all the field, nor have they in many cases the necessary legal authority, which is sometimes required. Until this whole field is properly covered, it can be expected that the annual crop going to prison will be unfortunately large, too large, even if it is only a comparatively small percentage of the whole population of the province.

Good discipline generally, was maintained in our penal institutions during the past year. Some more of our officers have joined the Armed Services and the scarcity of suitable manpower is being felt and proper staffing of these institutions is more difficult.

All the Common Gaols were inspected as usual. The programme of past years of gradual modernization was continued but at a slower rate due to scarcity of labour and materials. Nearly all of these gaols are clean and well administered, the clothing provided is proper and the food is wholesome and sufficient. Most of these gaols are owned by municipalities and to a large extent operated by them. Their co-operation with the province for the proper care and custody of the prisoners has been quite reasonable.

The head office of this Department has maintained close contact with the Reformatories and Industrial Farm. Their industries have continued operating but total production and sales showed some decrease because of scarcity of materials and war rationing. The Industrial Farm, Burwash, had a large stock of lumber manufactured there by prison labour for other Ontario Institutions but it was released for war purposes and during last winter the prisoners there cut logs which will make more than one million board feet of lumber—also for war purposes.

Agricultural production on the farms was well maintained and the crops were well harvested. The improvement of livestock was continued.

Day after day the officials and officers of these penal institutions are giving competent and faithful service and I take this opportunity of expressing my appreciation.

C. F. NEELANDS,  
*Deputy Provincial Secretary.*

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TABLE No. 1

Movement of Population in Ontario Reformatories and Industrial Farms,  
April 1st, 1942, to March 31st, 1943.

	Ontario Reformatory Guelph	Industrial Farm Burwash	Andrew Mercer Reformatory Toronto	Total
Remaining in Custody April 1st, 1942 .....	775	593	132	1,500
Committed during the year .....	2,163	959	286	3,408
Re-admitted from Penitentiaries .....				
Re-admitted from Gaols and other Institutions .....	28	5		33
Parole Violators re-admitted .....	22	8	6	36
Ticket-of-Leave Violators re-admitted .....	31	12		43
<b>Total Number in Custody during the Year .....</b>	<b>3,019</b>	<b>1,577</b>	<b>424</b>	<b>5,020</b>
Discharged on expiration of sentence .....	1,619	673	191	2,483
Discharged by ticket-of-leave .....	283	120	3	406
Discharged by Parole Board .....	294	101	59	454
Discharged by payment of fines .....	26	13	3	42
Discharged by remission of sentence .....	38	9		47
Discharged by Order-in-Council .....	25	2	4	31
Discharged by His Excellency the Governor General .....		7		7
Released on Bail .....		2	1	3
Interned .....				
Transferred to Hospital .....		1		1
Transferred to Hospital for the Mentally Ill .....	9	4	19	32
Transferred to other Institutions .....	11	5		16
Returned to gaols .....	15			15
Deported .....	4	1		5
Released or transferred for other reasons .....	13	18		31
Escaped and not recaptured up to March 31st, 1943 .....				
Died while in custody .....	3	1		4
<b>Total Number discharged, released, died, etc. ....</b>	<b>2,340</b>	<b>957</b>	<b>280</b>	<b>3,577</b>
<b>Number remaining in custody, March 31st, 1943. ....</b>	<b>679</b>	<b>620</b>	<b>144</b>	<b>1,443</b>



The following tables show Social Conditions; Educational Status; Habits as to use of Intoxicants and Drugs; Nationalities; Occupations and Criminal History of Prisoners Committed to Ontario Reformatories and Industrial Farms for the year ending March 31st, 1943.

	Ontario Reformatory Guelph	Indus- trial Farm Bur- wash	Andrew Mercer Reformatory Toronto	Total
<b>2. Social Conditions</b>				
Married.....	685	342	120	1,147
Single.....	1,389	591	126	2,106
Widowed.....	70	21	28	119
Divorced.....	19	5	12	36
<b>3. Educational Status</b>				
Illiterate.....	66	52	14	132
Elementary.....	1,570	693	224	2,487
High School.....	497	212	48	757
College or University.....	30	2		32
<b>4. Habits as to use of Intoxicants</b>				
Abstainers.....	411		64	475
Temperate.....	739	352	88	1,179
Intemperate.....	1,013	607	134	1,754
<b>5. Habits as to use of Drugs</b>				
Abstainers.....	2,161	944	281	3,386
Addicts.....	2	15	5	22
<b>6. Nationalities</b>				
Canadian Born.....	1,690	788	234	2,712
English.....	109	43	16	168
Irish.....	75	14	3	92
Scotch.....	100	22	11	133
United States.....	46	20	9	75
Other.....	143	72	13	228
<b>7. Criminal History</b>				
First time.....	523	90	149	762
Second time.....	282	54	35	371
Third time.....	178	62	27	267
More than third time.....	1,180	420	75	1,675
No record available.....		333		333
<b>8. Occupation</b>				
Agricultural.....	89	54		143
Commercial.....	666	36	46	748
Domestic.....		43	176	219
Labourers.....	1,112	648		1,760
Mechanics.....	187	174		361
Professional.....	5	2	1	8
No Occupation.....	104	2	63	169
Miscellaneous.....				

Length of Sentences received by Prisoners committed in the Ontario Reformatories  
and Industrial Farms and their Ages.

	Ontario Reformatory Guelph	Indus- trial Farm Bur- wash	Andrew Mercer Reformatory Toronto	Total
<b>9. Ages of Prisoners</b>				
15-19.....	606	50	81	737
20-24.....	247	283	62	592
25-29.....	131	193	36	360
30-34.....	139	82	28	249
35-39.....	175	98	22	295
40-44.....	208	84	21	313
45-49.....	181	66	17	264
50-54.....	179	37	11	227
55-59.....	152	32	1	185
60-64.....	91	17	5	113
65-69.....	37	13	1	51
70 and over.....	17	4	1	22
<b>10. Length of Sentences</b>				
<b>Definite</b>				
Under 30 days.....			1	1
30 days and under 60.....	215		16	231
2 months and under 3.....	499		40	539
3 " " " 4.....	392	23	24	439
4 " " " 5.....	80	45	12	137
5 " " " 6.....	14	10		24
6 " " " 9.....	202	274	38	514
9 " " " 12.....	23	40	2	65
12 " " " 15.....	135	132	9	276
15 " " " 18.....	16	12	1	29
18 " " " 21.....	20	36	1	57
21 " " " 24.....	40	43	8	91
<b>Indefinite</b>				
3 months to 6 months.....	73	33	8	114
3 " to 9 ".....	9	10		19
3 " to 12 ".....	2	5		7
3 " to 18 ".....				
3 " to 24 ".....				
6 " to 9 ".....	41	32	21	94
6 " to 12 ".....	26	32	3	61
6 " to 18 ".....	5	14		19
6 " to 24 ".....		6		6
9 " to 12 ".....	16	8		24
9 " to 18 ".....		5		5
9 " to 24 ".....				
12 " to 18 ".....	38	48	17	103
12 " to 24 ".....	10	11		21
18 " to 24 ".....	7	13	56	76
24 " to 36 ".....	9	10		19
24 " to 48 ".....	3	2		5
Miscellaneous.....	288	115	29	432

Number of prisoners who escaped and evaded capture; number who escaped and were recaptured; employment of prisoners and number of officers and employees.

	Ontario Reform- atory Guelph	Indus- trial Farm Bur- wash	Andrew Mercer Reform- atory Toronto	Total
<b>11. Escapes</b>				
Escaped and evaded capture.....				
Escaped and were recaptured.....	19	15	2	36
<b>12. Employment of Prisoners in the Institution during the Year (Percentage)</b>				
Clerical.....	1.59	1.53		
General Maintenance and Construction.....	39.42	45.11	56.00	
Sick.....	4.26	18.16	5.00	
Bush Operations.....		9.13		
School.....	2.20			
Industrial.....	17.61	6.26	37.00	
Farm and Garden.....	23.66	15.15	2.00	
Land and Road Improvement.....	11.26	4.66		
<b>13. Number of Officers and Employees on March 31st</b>				
Superintendent.....	2	1	1	4
Physicians.....	2	1	1	4
Dentists.....	1	1	1	3
Teachers.....	1	2	1	4
Bursars or Stewards.....			1	1
Storekeepers.....	1	1		2
Asst. Storekeepers.....				
Accountants, Clerks, Stenographers, etc.....	11	9	2	22
Sergeants (Day).....	1	1		2
Asst. Sergeants (Day).....	2	2		4
Sergeants (Night).....	1			1
Asst. Sergeants (Night).....		1		1
Guards or Attendants (Day).....	42	59	17	118
Guards or Attendants (Night).....	47	17	3	67
Kitchen and Dining Room Help.....		1		1
Nurses.....	1	2	1	4
Farmers, Gardeners and Assistants.....	4	1	1	6
Engineers and other Mechanical Help.....	11	8	7	26
All other Employees.....	6	1	2	9
<b>TOTAL.....</b>	<b>133</b>	<b>108</b>	<b>38</b>	<b>279</b>

TABLE  
Offences for which Prisoners were committed during the

	Ontario Reform- atory Guelph	Indus- trial Farm Bur- wash	Andrew Mercer Reform- atory Toronto	Total
<b>A. Crimes against the Person</b>				
Abduction.....		2	1	3
Abortion.....	3		3	6
Assault Common.....	6	2		8
Assault Felonious.....	46	28	1	75
Attempted Suicide.....				
Cutting and Wounding and attempting same.....	9	7		16
Shooting with intent.....	1			1
Stabbing.....		1		1
Manslaughter.....	3	1		4
Carnal Knowledge.....	10	3		13
Incest.....	5	5		10
Rape and Assault with intent.....	3			3
TOTAL.....	86	49	5	140
<b>B. Crimes against Property</b>				
Arson and Incendiarism.....	3	1	2	6
Breaking and Entering and Theft.....	20	107		127
Breaking and Entering.....		13	1	14
Burglary.....		3		3
Housebreaking.....	44	5		49
Robbery.....	10		2	12
Forgery.....	13	13	4	30
Fraud.....	21	2	2	25
False Pretences.....	20	29	4	53
Shop Breaking.....	159	5		164
Theft of Cars.....	159	56		215
Taking without owner's consent.....	50	11		61
Larceny or Theft.....	376	203	48	627
Receiving Stolen Goods.....	46	26	1	73
Trespass.....				
TOTAL.....	921	474	64	1,459

No. 14

year to Ontario Reformatory and Industrial Farms

	Ontario Reformatory Guelph	Industrial Farm Burwash	Andrew Mercer Reformatory Toronto	Total
<b>C. Crimes against Public Morals and Decency</b>				
Bigamy .....	8	4	5	17
Indecent Assault .....	35	26		61
Indecent Exposure or other Indecent Act .....	13	10	1	24
Inmates and Frequenters of Houses of Ill-fame .....			3	3
Keeping Houses of Ill-fame .....		5	9	14
Juvenile Delinquency .....	21	2	11	34
Perjury .....	1	3	2	6
Prostitution .....			7	7
Seduction .....	2	1		3
Buggery .....	5	1		6
TOTAL .....	85	52	38	175
<b>D. Crimes against Public Order and Peace</b>				
Breach of Liquor Control Act .....	752	63	57	872
Breach of Excise Act .....	2	4		6
Breach of Narcotic or Drug Act .....	4	15	3	22
Breach of By-Laws .....				
Carrying unlawful Weapons .....	6	1		7
Cruelty to Animals .....	1	1		2
Drunk and Disorderly .....		1		1
Escaping from Constable .....				
Escaping from Prison .....	8			8
Gambling .....				
Obstructing an Officer .....	4			4
Unlawful Shooting .....				
Vagrancy .....	84	67	44	195
TOTAL .....	861	152	104	1,117
<b>E. Other Offences not Enumerated above</b>				
TOTAL .....	210	232	75	517
GRAND TOTAL— Totals of A, B, C, D and E .....	2,163	959	286	3,408

DEPARTMENT OF THE PROVINCIAL SECRETARY, REFORMATORIES AND PRISON BRANCH  
ONTARIO REFORMATORIES AND INDUSTRIAL FARM

Comparison of average Maintenance Cost per day per Inmate for the Fiscal Years ending March 31st, 1942, and March 31st, 1943.

	Ontario Reformatory Guelph		Mercer Reformatory Toronto		Industrial Farm Burwash	
	1942	1943	1942	1943	1942	1943
Days' Residence of Inmates	285,813	266,285	54,708	49,182	215,565	208,968
Average Number of Inmates	783	729.5	150.1	134.7	672.8	572.5
EXPENDITURE						
Medicines	0357	0318	0256	0262	0617	0585
Provisions	3280	3360	2513	2651	4219	4058
Fuel, Light and Water	1011	0832	1393	1521	0862	1191
Clothing	0907	0915	0335	0286	0746	0972
Laundry and Cleaning	0314	0380	0365	0366	0443	0443
Furniture and Furnishings	0171	0131	0339	0206	0192	0102
Office Expense	0111	0125	0256	0227	0107	0107
Farm, Feed and Fodder Expense	1069	1124	0121	0129	0819	1009
Contingencies	0590	0534	0468	1503	1503	0812
Repairs to Buildings	0507	0510	1658	0661	2066	1402
Salaries	4069	6271	8037	9239	7186	7717
Industrial Operations	1,8187	1,5020	2,6402	1,7497	11,156	0533
Total Expenditure Per Capita	\$3,2513	\$2,9862	\$1,2173	\$3,3625	\$2,0159	\$1,8941
REVENUE						
Custodial Revenue	1898	1977	0240	0261	1927	2204
Ferries Revenue	0296	0173	1501	1167	1188	1188
Industrial Revenue	1,9092	1,5016	1,9075	2,2106	1,123	1860
Total Revenue Per Capita	2,1286	1,7196	2,0819	2,1042	4357	5252
Net Per Capita Cost	1,1227	1,2696	2,1354	9583	1,5802	1,3682
Total Expenditure						
March 31, 1942	March 31, 1943		March 31, 1942		March 31, 1943	
\$ 929,288.58	\$ 795,085.68	\$ 608,393.21	\$ 157,907.67	285,813	266,285	
231,069.47	165,374.58	114,081.71	118,212.00	31,798	39,182	
495,010.97	395,657.23	106,989.32	109,742.73	245,565	208,968	
1,655,429.02	1,357,017.49	\$829,467.27	\$985,892.40	586,176	521,135	
829,467.27	685,892.40	Average Cost per Diem 1941-42—\$1,4061		Average Cost per Diem 1942-43—\$1,2737		
\$ 825,901.75	\$ 671,125.09					

COMPARATIVE EXPENDITURE AND REVENUE FOR THE TWELVE MONTHS ENDING  
MARCH 31st, 1942, AND MARCH 31st, 1943.

	EXPENDITURE				REVENUE			
	March 1942	March 1943	Increase	Decrease	March 1942	March 1943	Increase	Decrease
<b>Ontario Reformatory, Guelph—</b>								
Salaries .....	\$173,460.90	\$166,999.50		\$ 6,461.40				
General Maintenance .....	219,811.09	212,768.18		7,042.91	\$ 62,697.70	\$ 57,248.07		\$ 5,449.63
Repairs to Buildings .....	16,217.49	16,232.91	\$ 15.42		545,695.54	400,659.60		145,035.94
Industries .....	519,799.10	399,985.09		119,814.01				
<b>Mercer Reformatory, Toronto—</b>								
Salaries .....	44,041.81	45,442.43	1,400.62					
General Maintenance .....	33,296.43	30,624.19		2,672.24	9,556.90	9,521.11		35.79
Repairs to Buildings .....	9,085.85	3,251.68		5,834.17				
Industries .....	144,675.38	86,056.28		58,619.10	104,527.81	108,720.89	\$4,193.08	
<b>Industrial Farm, Burwash—</b>								
Salaries .....	183,831.10	161,270.46		22,560.64				
General Maintenance .....	232,091.65	193,948.70		38,142.95	79,402.24	70,870.50		8,531.74
Repairs to Buildings .....	50,740.40	29,296.49		21,443.91				
Industries .....	28,377.82	11,141.58		17,236.24	27,587.08	38,872.23	11,285.15	
<b>TOTALS.....</b>	<b>\$1,655,429.02</b>	<b>\$1,357,017.49</b>	<b>\$1,416.04</b>	<b>\$299,827.57</b>	<b>\$829,467.27</b>	<b>\$685,892.40</b>	<b>\$ 15,478.23</b>	<b>\$159,053.10</b>

Decrease in Ordinary Expenditure—\$298,411.53

Decrease in Ordinary Revenue—\$143,574.87

# Reformatories

## THE ONTARIO REFORMATORY, GUELPH

C. F. NEELANDS, ESQ.,  
*Deputy Provincial Secretary,*  
 Parliament Buildings,  
 Toronto, Ontario.

May 21, 1943.

DEAR SIR:

The attached statistical report of the Ontario Reformatory, Guelph, covers the fiscal year ending March 31, 1943.

2,163 were committed during the year, which is an increase of 12 commitments over the preceding year. The total number in custody during the year was 3,019. Our average daily population for the year was 722.6, which is a decrease over the preceding year of 59.1 inmates.

676 admissions were under the age of 21 years. This is 82 more than in this age group (15 to 20 years) in the preceding year. There are 52 more admissions in the age group below 19 years than in the previous year.

389 were convicted for the first time, 339 for the second time, 196 for the third time and 1,239 for more than the third time.

Number convicted for first time. . . . .	17.98%
Number convicted for second time. . . . .	15.67%
Number convicted for third time. . . . .	9.06%
Number convicted for more than third time. . . . .	57.29%

658 commitments had previously served terms in a Reformatory (Burwash Industrial Farm, Ontario Reformatory, Mimico, or other Reformatories).

283 had previously served 1 term in a Reformatory.

133 had previously served 2 terms in a Reformatory.

76 had previously served 3 terms in a Reformatory.

54 had previously served 4 terms in a Reformatory.

26 had previously served 5 terms in a Reformatory.

20 had previously served 6 terms in a Reformatory.

66 had previously served more than 6 terms in a Reformatory.

172 Reformatory commitments had served terms in the various industrial schools, which is 22 more than the preceding year. 52 inmates had served previous terms in the penitentiaries; 96 in Burwash Industrial Farm; 60 in Ontario Reformatory, Mimico and 27 had been in various other institutions. 979 had served gaol sentences previous to their admittance here.

240 inmates were granted special wartime tickets-of-leave. 32 of these violated their tickets and were returned to serve their sentences. 8 of these violators belonged to a conscientious objector group. On the whole, the scheme worked out very satisfactorily.

Intelligence tests were given to all inmates serving over three months sentences, with the exception of the B.L.C.A. offenders. An analysis of the results of intelligence tests showed:

17.89%	were mental defectives.
12.35%	were borderline intelligence.
28.65%	were dull normal intelligence.
40.09%	were normal intelligence.
1.02%	were superior intelligence.



Educational tests were only given to those above borderline intelligence. The educational tests this year showed that of those tested,—

Only 2.96% had an education equal to their own statement.

4.10% had an educational score superior to their own statement.

92.94% possessed an education inferior to their own claims.

Only 14.12% had entrance standing or better, while 61.28% had less than Grade VI standing.

The school had a successful year. 13 pupils wrote their entrance examinations and 13 were successful, 5 with honours. Good progress was made with the junior and illiterate classes. The night vocational classes functioned as usual.

The library books on our shelves number 4,707 volumes. Accessions during the year numbered 772 books. About 95% of those in cells read library books, while only 10% of those in dormitories do any reading.

Physical training classes were held five nights a week with a physical training orchestra supplying music for the exercises. This is compulsory for all physically fit young men. Basketball games and monthly boxing bouts were held during the winter months, and soft ball games during the summer months.

The general health of the inmates was good. 21,997 attendances on sick parades were made during the year, which would be a lucrative practice on the outside. 19 major operations and 11 minor operations were performed in St. Joseph's Hospital, Guelph. All were successful. Three deaths occurred, one from cancer of the bile tract and liver, one from chronic asthma and bronchiectasis and one from coronary thrombosis. The dental clinic gave 3,339 examinations and treatments. 63 X-ray examinations of inmates were made at St. Joseph's Hospital, Guelph. 9 inmates were mentally ill and were transferred to Ontario mental hospitals for treatment. 60 commitments had syphilis or 2.77%, and under treatment 20.9% became negative, while another 30.2% showed improvement serologically. 40 patients had lumbar punctures and 15 had positive spinal fluids or 37.5% of those tested. 11 commitments had gonorrhoea or .5%. One of these was resistive to treatment. The incidence of venereal disease is lower than the preceding year, when syphilis was 5.1% and gonorrhoea .6%.

19 escapes were made during the year. All were recaptured. Despite the exigencies of a difficult staff situation due to wartime deficiencies, discipline was well maintained during the year.

All of the industrial departments operated throughout the year. The total industrial revenue was \$480,167.72, which is a reduction of some \$65,000 over the preceding year. Our total profit from all industries was \$11,676.74.

On our farm, all the crops were good. Our farm recoveries amounted to \$66,044.51, an increase of \$8,167.90 over the preceding year. 575 hogs and 16 sows were sold with a value of some \$15,800.00. The total of our milk production was 961,657 pounds with a value of \$23,309.35, an increase in value over the preceding year of \$2,965.05.

We are grateful to those who, during the year provided entertainment, religious services, and gave spiritual advice to our inmates.

I wish to commend my staff to you for their conscientious and loyal service in these difficult times. I wish to thank the Honourable Mr. Nixon, the Honourable Mr. Hipel, yourself, and your staff, for the assistance, courtesy and kindness extended to us throughout the past year.

Yours very truly,

J. D. HEASLIP, M.D.,

*Superintendent.*

ANNUAL REPORT  
OF THE INDUSTRIAL FARM, BURWASH, ONTARIO

C. F. NEELANDS, ESQ.,  
*Deputy Provincial Secretary,*  
Parliament Buildings,  
Toronto, Ontario.

July 3, 1943.

DEAR SIR:

Herewith the Annual report of the Industrial Farm, Burwash, for the year ending March 31, 1943.

Admissions during the year were 959; discharged 957. The number remaining in custody was 620.

Land operations were fairly successful with the exception of the root crop. The livestock were in good condition and natural increase supplied our institution requirements to a large extent. Three new piggery buildings were erected during the year. Farm recoveries and sales amounted to \$63,976.07. Over 1,000 acres were under cultivation and roughly 100 acres of land cleared and ready for breaking.

Wood cutting and logging during the winter months provided fuel for the various boiler plants. Logging operations were very successful. 30,300 logs were cut and skidded to the sawmill lake. Revenue from the mill operations—\$24,791.86.

Our course of study among the inmates detailed to work in the various power houses, was carried on during the past year with the result that five inmates received 4th Class Stationary Engineer's certificates and one received his 3rd Class Stationary Engineer's certificate. The co-operation of the Department of Labour is appreciated in the work of assisting to re-establish inmates in civil life after discharge.

Industries produced a revenue of \$14,080.37.

Recreation was provided during the year in the form of baseball, monthly concerts, boxing bouts, and indoor games, such as cards and checkers. Several concerts were held, with the inmates providing their own talent.

Fifteen inmates attempted to escape. All were captured.

The general health of the Institution was of a high standard. 21 major and 54 minor operations were carried out by our resident physician, Dr. G. F. Cliff. The Dental Clinic, in charge of Dr. H. Stitt, carried out 2,613 various dental operations.

Discipline throughout the year was maintained and my appreciation is extended to the various members of the staff for their co-operation. It is recommended that arrangements be made for the completion of plans and specifications for the erection of a new dining-room and kitchen building, including a new power house, so that present conditions would be relieved and more accommodation obtained for study and recreation for the inmates.

The good work done by Major Talbot, the Rev. E. J. Tucker and the Rev. F. R. Isabelle in connection with the religious guidance to the staff and inmates, is greatly appreciated. I also wish to express my sincere appreciation for the consideration and assistance given by the Honourable H. C. Nixon and by you, Sir, including the members of your Department, in all matters pertaining to the welfare of this institution.

Yours very truly,

W. L. McJANNET,

*Superintendent.*

## MERCER REFORMATORY

May 6, 1943.

C. F. NEELANDS, ESQ.,  
*Deputy Provincial Secretary,*  
Parliament Buildings,  
Toronto, Ontario.

SIR:

I have the honour to submit the report of the Andrew Mercer Reformatory for the year ending March 31, 1943.

The statistical tables show the population figures, the conditions of life, the occupations of the women before entering the Reformatory and the industries to which they were allocated while here.

Young women and girls without any previous knowledge of how to operate a power-machine have been given training in our factory that enabled them to secure positions with remunerative wages in the community outside. I hope that war conditions will not curtail our supply of materials. More work could be handled in our laundry, to give a greater number of inmates experience in that branch of industry.

With the exception of carrots of which there was abundance, the garden produce yield was very poor last year and with present increased costs of all food products which have to be purchased for the Institution, and the war-time necessity for conservation, it is particularly important to do everything possible to get the best results from the land.

Our dentist, Dr. Black, left to enter War Service and Dr. Margaret Morrow now attends to the dental services in the Reformatory.

The health of the inmates was good and there was no outbreak of infectious or contagious disease. During the year 4,368 treatments for venereal disease were given in the Institution.

The inmates enjoy recreation in the yard in the summer months. In winter, talking pictures shown at frequent intervals by the generosity of the Salvation Army, also concerts, and plays arranged through the inmates' own efforts, combine to give interest and relaxation.

In their free time the inmates continue to knit for the Salvation Army Red Shield, making 1,628 garments in the year—a total of 6,649 garments since October, 1939. They gladly do this as their "bit" in the War Effort. In the latter connection it is interesting to know that a number of our former inmates have enlisted in the women's divisions of His Majesty's Services.

I am not unmindful of the fact that the management of the Institution is largely dependent upon the united effort and loyal support of our associates in the work, and to all those who have responded to this spirit I am most grateful, also to the church visitors under whose spiritual guidance the inmates have received great benefit.

Thanking you for your kindly advice and consideration,

I am, Sir,

Your obedient servant,

JEAN MILNE,

*Superintendent.*

# Board of Parole

## ANNUAL REPORT OF THE ONTARIO BOARD OF PAROLE

FOR THE YEAR ENDING MARCH 31ST, 1943

The Board of Parole for the past year has continued its work of endeavouring to rehabilitate men and women who come before the Board at the various Provincial Institutions. Rehabilitation cannot be accomplished unless there is a desire within the prisoner himself to mend his ways. The Board considers that its function is to develop latent qualities of honour, decency and straight thinking in men and women coming under its jurisdiction. Only in that way can it hope to restore them to useful citizenship. Meetings of the Board are held each month at the Andrew Mercer Reformatory, Toronto, the Ontario Reformatory, Guelph and the Industrial Farm, Burwash. After an inmate is granted parole it is the duty of the Secretary to find employment for or investigate offers of employment sent to the Parole Office by prospective employers and to supervise all men and women on parole. We have received splendid assistance in the past from the various local and charitable organizations throughout the Province who are interested in this work and from the Municipal and Provincial Police during the past year.

The Board suffered a great loss in the death of Mr. J. F. McKinley, Chairman of the Board. Mr. McKinley had been Chairman for many years and was deeply interested in this work. His passing was deeply regretted by his fellow members, and all connected with the various Institutions and the Parole Office. Mr. Stewart Clark, who had been a member of the Parole Board for some years, resigned during the past year, and his resignation was regretted by the members and officials of the Board.

During the past year an arrangement was entered into by the Department of Justice, Ottawa, and the Department of the Provincial Secretary of Ontario, whereby, on recommendation of the Superintendents of various Institutions, inmates could be granted a Ticket-of-Leave to work in essential War Work or on farms; these inmates to be under the supervision of the Secretary of the Parole Board. This increased in many ways the work of the Parole Office.

The present members of the Board are Mr. L. J. Long, Mr. W. B. Common, Col. A. F. Hatch and Mrs. S. Strachan. The executive staff of the Board is comprised of Mr. C. F. Swayze, Chief Officer and Secretary. Mr. G. R. Trumbell, Assistant Parole Officer, four stenographers and one filing clerk.

Number of Meetings held during the fiscal year ending March 31,	
1943 .....	31
Parole authorized .....	506
Paroles put into effect .....	453

L. J. LONG,  
*Chairman.*

# The Salvation Army

A REPORT OF THE PRISON, JAILS AND POLICE COURT WORK  
IN THE PROVINCE OF ONTARIO

FOR THE YEAR ENDING JUNE 30, 1942

We are pleased to once again submit a brief report of the work done by The Salvation Army in the Prisons, Jails and Police Courts of the Province of Ontario.

Our Officers are continually in touch with the inmates of the various Institutions, and men discharged who have no place of residence are accommodated at our Hostels while they are seeking work or arranging to return to relatives. In Toronto, Ottawa, London, Hamilton, Windsor, Sudbury, Port Arthur, and many other centres, accommodation is given discharged prisoners, and our Officers look after the interests of discharged men and their families.

Many ex-prisoners tell us they have great difficulty in obtaining employment when released from an Institution, unless they have someone to make an approach to an employer for them. When they are asked on an employment application—"where last employed?"—they are afraid to answer the question truthfully in case they will not be accepted. The Salvation Army has overcome this difficulty to a great extent by having their representatives make the approach to the employer for them. We are pleased to report that most employers give good response to our requests for we have been successful in securing work for 642 during the past year.

## PRISONERS' WELFARE WORK

The Salvation Army has always endeavoured to give the personal touch, because we felt it was the most powerful. In other words, talking to a man in his own language, and "playing his own game," and thereby getting at his conscience, that through the abundance of his heart, love would speak, and we would be in a position to help him with reference to his personal welfare.

After release, we find that contact with the home, employment, and also the man himself, is the secret of success, and is the reason why so many we have striven to help, rehabilitate themselves and become good citizens.

We are sincerely grateful for the co-operation given to us by the Judges, Magistrates, Crown Attorneys, and other officials responsible for the administration of the law.

THE SALVATION ARMY PRISON AND POLICE COURT WORK IN THE  
PROVINCE OF ONTARIO

YEAR ENDING JUNE 30TH, 1942

Visits made to Prisons and Police Courts. . . . .	4,136
Services held in Prisons and Penitentiaries. . . . .	1,470
Restored to homes and former employment or for whom work was found. . . . .	1,012

Beds and Meals supplied (free).....	10,053
Periodicals distributed.....	40,215
Persons receiving assistance.....	4,661
Prisoners handed over.....	762
Number attendance.....	60,663
Number of interviews in Prison and Police Court.....	18,317
Number converted.....	592

## STATEMENT OF INCOME AND EXPENDITURE FOR THE FISCAL YEAR

EXPENDITURE	INCOME
To Assistance to Prisoners and Dependents.....	<i>By Grants</i>
\$ 4,600.52	Province of Ontario.....
To Expenses of Officers engaged in Prison and Police Court Work:—	City of Toronto.....
	City of Kingston.....
	Donations.....
<i>Toronto</i>	
Head Office—Salaries, Rents, Office Expenses, etc.....	\$ 7,500.00
3,700.00	2,000.00
	1,050.00
<i>Burwash</i>	
Salaries.....	
\$1,482.50	
Rents.....	
80.25	
Incidentals.....	
251.63	
1,814.38	
<i>Guelph</i>	
Salaries.....	
1,095.30	
Rents.....	
270.00	
Incidentals.....	
617.04	
1,982.34	
<i>Toronto—Men's Section</i>	
Salaries.....	
2,420.95	
Rents.....	
673.50	
Incidentals.....	
939.66	
4,033.61	
<i>Toronto—Women's Section</i>	
Salaries.....	
1,017.00	
Rents.....	
131.50	
Travelling.....	
90.56	
Incidentals.....	
393.48	
1,632.44	
<i>Kingston</i>	
Salaries.....	
1,603.50	
Travelling.....	
114.00	
Incidentals.....	
231.54	
1,949.04	
\$19,712.33	Deficit.....
	8,797.54
	\$19,712.33

WALLACE BUNTON  
Lieut. Colonel  
Prison Secretary.

## Annual Report upon the Gaols of Ontario

FOR THE YEAR ENDING MARCH 31, 1943

1. City Gaols (Toronto and Hamilton).....		2
County Gaols.....		35
District Gaols.....		10
Total number of Gaols in Ontario.....		47
2. Total expenditure for Gaol Maintenance in Ontario:		
For year ending March 31, 1942.....	\$548,762.62	
For year ending March 31, 1943.....	574,906.50	
3. Average Maintenance cost per day per prisoner:		
For year ending March 31, 1942.....		1.28
For year ending March 31, 1943.....		1.47
4. Average dietary cost per day per prisoner:		
For year ending March 31, 1942.....		.1818
For year ending March 31, 1943.....		.1950
5. Number of prisoners committed:		
For year ending March 31, 1942.....		27,225
For year ending March 31, 1943.....		25,411
	Decrease	1,814
6. Number of prisoners sentenced:		
For year ending March 31, 1942.....		19,652
For year ending March 31, 1943.....		18,551
	Decrease	1,101

### COMMITMENTS

	1941-42	1942-43	Decrease	Increase
Murder.....	15	16	—	1
Manslaughter.....	46	34	12	—
<b>Crimes:</b>				
Against the person.....	1,037	1,087	—	50
Against Property.....	5,623	5,495	128	—
Against Public Morals and Decency.....	853	681	172	—
Against Order and Peace.....	16,929	16,380	549	—
Mentally Ill.....	426	393	33	—
Number of days stay of Prisoners.....	427,560	390,016	37,544	—
Escapes.....	14	25	—	11
Escaped and Recaptured.....	13	23	—	10
Deaths in Gaols.....	9	7	2	—

The following tables show total Sex, Social Conditions, Habits and Educational Status of all prisoners committed:

SEX		
	1941-42	1942-43
Male.....	24,806	23,147
Female.....	2,419	2,264

SOCIAL CONDITIONS		
	1941-42	1942-43
Married.....	9,781	8,997
Unmarried.....	17,444	16,414

HABITS		
	1941-42	1942-43
Temperate.....	9,058	8,596
Intemperate.....	18,167	16,815

EDUCATIONAL		
	1941-42	1942-43
Could read or write.....	26,305	24,698
Could neither read nor write.....	920	713

The following table shows the Nationality and Occupations of all prisoners committed:

NATIONALITY		
	1941-42	1942-43
Canadian Born.....	21,277	20,527
English.....	1,330	1,181
Irish.....	727	574
Scotch.....	1,021	861
United States.....	699	561
Other Countries.....	2,171	1,707

OCCUPATIONS		
	1941-42	1942-43
Agricultural.....	798	754
Commercial.....	3,120	3,034
Domestic.....	2,305	1,960
Labourers.....	14,510	14,122
Mechanics.....	3,092	2,239
Professional.....	475	298
Soldiers.....	1,813	1,721
Sailors.....	4	334
No Occupations.....	1,108	949

NUMBER OF TIMES COMMITTED				
	1941-42	%	1942-43	%
First Time.....	15,106	55.5	13,729	54
Second Time.....	3,889	14.3	3,958	16
Third Time.....	2,200	8.1	2,034	8
More than Third Time.....	6,030	22.1	5,690	22



## NUMBER OF PRISONERS COMMITTED REPORTED AS DRUG ADDICTS:

Brockville.....	2	Ottawa.....	1
Chatham.....	1	Peterboro.....	8
Goderich.....	1	Toronto.....	41
Guelph.....	1	Windsor.....	2
Hamilton.....	8	Sudbury.....	2
			<u>67</u>

## NUMBER OF PRISONERS SENTENCED TO CORPORAL PUNISHMENT:

Brantford.....	2	Walkerton.....	1
Brockville.....	1	Welland.....	3
London.....	1	Whitby.....	10
Ottawa.....	1	Windsor.....	8
St. Thomas.....	1	Sault Ste. Marie.....	1
Toronto.....	4	Sudbury.....	1
			<u>34</u>

## Offences for which prisoners were committed and sentenced during the year.

### A. CRIMES AGAINST THE PERSON

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Abduction.....	10	2	12	3	1	4
Abortion.....	8	2	10	4	2	6
Assault, Common.....	462	12	474	329	8	337
Assault, Felonious.....	320	10	330	213	6	219
Attempted Suicide.....	44	13	57	22	7	29
Cutting and wounding and attempting same.....	38	1	39	27	.....	27
Shooting with intent.....	5	1	6	3	.....	3
Stabbing.....	2	.....	2	1	.....	1
Manslaughter.....	31	3	34	10	1	11
Murder.....	12	4	16	.....	2	2
Carnal Knowledge.....	75	1	76	52	1	53
Rape and Assault with intent to rape.	31	.....	31	8	.....	8
Total.....	1,038	49	1,087	672	28	700

### B. CRIMES AGAINST PROPERTY

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Arson and Incendiarism.....	23	7	30	14	3	17
Breaking, Entering and Theft.....	1,163	21	1,184	878	14	892
Robbery.....	165	7	172	102	2	104
Forgery.....	105	8	113	88	8	96
Fraud.....	118	11	129	77	7	84
False Pretences.....	179	11	190	135	5	140
Larceny and Theft.....	2,288	269	2,557	1,734	192	1,926
Theft of Cars.....	492	4	496	354	2	356
Taking without owner's consent.....	183	.....	183	147	.....	147
Receiving stolen goods.....	276	16	292	185	7	192
Passpass.....	149	.....	149	113	.....	113
Total.....	5,141	354	5,495	3,827	240	4,067

Offences for which prisoners were committed and sentenced during the year.

C. CRIMES AGAINST PUBLIC MORALS AND DECENCY

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Bigamy.....	16	11	27	14	8	22
Indecent Assault.....	167	.....	167	119	.....	119
Indecent Exposure.....	70	4	74	54	3	57
Incest.....	17	2	19	13	1	14
Inmates and frequenters of Houses of Ill-fame.....	25	55	80	11	36	47
Keeping Houses of Ill-fame.....	27	60	87	17	26	43
Juvenile Delinquency.....	113	51	164	72	39	111
Perjury.....	11	2	13	8	1	9
Prostitution.....	.....	20	20	.....	15	15
Seduction.....	9	.....	9	6	.....	6
Buggery.....	21	.....	21	12	.....	12
Total.....	476	205	681	326	129	455

D. CRIMES AGAINST PUBLIC ORDER AND PEACE

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Breaches of the Liquor Control Act..	3,461	232	3,693	3,128	189	3,317
Breaches of the Excise Act.....	21	.....	21	18	.....	18
Breaches of the Narcotic and Drug Act.....	38	8	46	27	5	32
Breaches of the By-Laws (Do not include B.L.C.A.).....	109	4	113	89	2	91
Breaches of the Highways Traffic Act..	357	6	363	257	4	261
Carrying unlawful weapons.....	39	.....	39	35	.....	35
Cruelty to Animals.....	8	.....	8	7	.....	7
Drunk and Disorderly (Do not include B.L.C.A.).....	6,498	533	7,031	5,540	461	6,001
Drunk driving an Automobile.....	795	14	809	750	12	762
Escaping from Constable.....	8	1	9	6	.....	6
Escaping from Prison or Gaol.....	24	.....	24	20	.....	20
Gambling.....	138	.....	138	81	.....	81
Obstructing an Officer.....	93	4	97	71	4	75
Selling or giving liquor to Indians (Do not include B.L.C.A.).....	145	7	152	125	7	132
Vagrancy.....	2,345	478	2,823	1,087	206	1,293
Civil offences against wartime Regulations.....	440	31	471	279	15	294
Military Offences.....	534	9	543	58	.....	58
Total.....	15,053	1,327	16,380	11,578	905	12,483
E. OTHER OFFENCES NOT ENUMERATED ABOVE.....	1,439	329	1,768	700	146	846
GRAND TOTAL Totals of A, B, C, D, and E.)..	23,147	2,264	25,411	17,103	1,448	18,551

TABLE  
Showing the Names and Salaries of various Gaol

CITY and COUNTY GAOLS	Names of Officials			
	Sheriffs	Gaolers	Chief Matrons	Gaol Surgeons
Barrie	E. C. Drury	E. M. Garrity	Mrs. E. M. Garrity	Dr. L. H. Bigelow
Belleville	J. D. O'Flynn	J. E. Samain	" J. E. Samain	" R. Ross
Brampton	F. S. Hutchison	J. A. Hillson	" K. Hillson	" W. Brydon
Brantford	C. S. Tapscott	J. Cook	" E. Cook	" R. H. Palmer
Brockville	R. J. Gill	F. J. Heffernan	" E. M. Heffernan	" D. I. Matheson
Cayuga	R. F. Miller	J. B. Smith	" A. E. Smith	" D. R. Waylie
Chatham	E. W. Hardy	P. J. Daigneau	" G. Daigneau	" J. S. Ferguson
Cobourg	J. T. Field	F. J. Wight	" V. Wight	" A. R. Richards
Cornwall	J. G. Harkness	J. S. Dickey	" B. Dickey	" J. A. McGuire
Goderich	W. N. Hill	J. B. Reynolds	" J. B. Reynolds	" W. F. Gallow
Guelph	H. C. Waind	J. Clark	" J. Clark	" A. B. McCarter
Hamilton*	A. C. Caldwell	F. V. Lalonde	" E. Lalonde	" H. R. McAlister
Kingston	F. L. Davies	J. T. Hawkey	" G. Hawkey	" P. H. Huyck
Kitchener	G. H. Gillies	E. Langridge	" V. Langridge	" G. D. McTaggart
Lindsay	A. J. Campbell	H. W. Stone	" E. Stone	" M. F. White
London	D. A. Graham	C. H. Mitchell	" J. North	" D. H. Hogg
L'Orignal	A. Landriault	A. Gelineau	" R. Gelineau	" R. Laviolette
Milton	W. J. L. Hampshire	J. C. Fleming	" E. Fleming	" C. K. Stevenson
Napanee	J. L. Haycock	G. L. McCabe	" G. L. McCabe	" T. M. Galbraith
Orangeville	T. K. Slack	H. A. Coutts	" M. Coutts	" J. W. Leach
Ottawa	S. Crooks	I. A. Sutherland	" B. Samson	" J. F. Argue
Owen Sound	R. J. Benedict	T. A. Ramage	" J. Ramage	" R. Harvey
Pembroke	A. G. Brown	A. G. Brown	" E. Brown	" A. J. Sparling
Perth	G. R. McLennox	W. H. Somerville	" W. R. Somerville	" J. F. Noonan
Peterboro	F. J. A. Hall	T. D. Johnston	" R. A. Moodie	" E. Johnston
Pictou	A. E. Bowerman	W. McWilliams	" E. Johnston	" J. A. Morgan
St. Catharines	F. J. Graves	J. J. Dundas	" V. McWilliams	" S. W. D. Hart
St. Thomas	I. D. Cameron	E. P. Ermatinger	" L. Dundas	" L. H. Werden
Sarnia	A. J. Johnston	E. J. Mott	" R. B. Donaldson	" D. L. Ewin
Simcoe	W. Mason	G. Mercel	" C. Mott	" W. B. Rutherford
Stratford	H. D. Lang	A. T. Tretthewy	" J. Mercel	" R. G. MacDonald
Toronto*	W. H. S. Cane	W. L. Rayfield	" A. Tretthewy	" J. C. T. Sihler
Walkerton	H. A. McGillivray	A. E. Ferguson	" M. Peers	" M. J. Fraser
Welland	V. L. Davidson	D. Sharp	" M. Ferguson	" W. H. Hills
Whitby	H. Bascom	H. F. Lucas	" D. Sharp	" W. A. Hall
Windsor	A. A. Marentette	J. T. Morkin	" I. E. Lucas	" C. N. Hignell
Woodstock	C. E. Sutherland	J. L. Skinner	" A. Morkin	" C. F. McGillivray
			" G. Skinner	" C. J. Hemond
				" C. M. MacKay
DISTRICT GAOLS				
Bracebridge	C. S. Salmon	C. Reynolds	" C. Reynolds	" H. G. Ellis
Fort Frances	C. L. Sundin	J. E. King	" J. King	" J. E. O'Donnell
Gore Bay	W. I. Wagg	R. McDermid	" L. Miller	" S. J. Rosenthal
Haileybury	H. Clifford	A. T. Humphreys	" R. McDermid	" W. C. Arnold
Kenora	L. D. MacCallum	E. W. Cox	" C. Terrill	" W. J. Gunne
North Bay	A. R. Girard	R. England	" M. F. Cox	" E. J. Brennan
Parry Sound	J. E. Armstrong	T. W. Keating	" F. Valin	" A. J. L. Wright
Port Arthur	H. Thompson	G. F. Lassiter	" T. Keating	" W. W. Smith
Sault Ste. Marie	R. E. Stone	W. Johnson	Miss H. Johnson	" S. E. Fleming
Sudbury	M. Arthur	J. Galbraith	" J. Galbraith	" J. F. McCullough

\*City Gaols.

No. 1

Officials for the Year Ending March 31st, 1943.

CITY and COUNTY GAOLS	Salaries of Officials					Total
	Gaolers	Matrons	Other Officers	Surgeons		
				Salaries	Fees	
Barrie.....	\$1,260.00	\$ 420.00	\$ 3,527.50	\$ 400.00	\$ 103.00	\$ 5,710.50
Belleville.....	735.00	420.00	1,942.50	500.00		3,597.50
Brampton.....	1,050.51	262.48	1,109.94	125.00	18.00	2,565.93
Brantford.....	1,575.00	525.00	4,607.80	300.00		7,007.80
Brockville.....	1,207.50	210.00	2,361.90	300.00	47.00	4,126.40
Cayuga.....	1,155.00	210.00	1,377.50	160.00		2,902.50
Chatham.....	1,364.88	420.00	4,570.14	350.00		6,705.02
Cobourg.....	1,155.00	262.50	1,367.20	250.00		3,034.70
Cornwall.....	1,680.00	315.00	4,356.08	300.00	62.00	6,713.08
Goderich.....	1,170.00	236.25	1,224.00	125.00	12.00	2,767.25
Guelph.....	1,260.00	315.00	2,895.38	200.00		4,670.38
Hamilton*.....	2,140.00	808.20	20,878.17	1,141.20		24,967.57
Kingston.....	1,417.50	640.00	2,606.50	350.00		5,014.00
Kitchener.....	1,470.00	420.00	3,147.00	500.00	50.00	5,587.00
Lindsay.....	1,260.00	452.00	1,443.00	150.00		3,305.00
London.....	1,701.00	721.88	10,830.18	700.00	116.00	14,069.06
L'Orignal.....	1,041.98	283.52	1,381.34	250.00	12.50	2,969.84
Milton.....	945.00	262.50	1,157.35	200.00	27.00	2,591.85
Napanee.....	945.00	210.10	1,254.00	200.00	8.00	2,617.10
Orangeville.....	1,260.00	315.00	1,102.50	125.00		2,802.50
Ottawa.....	1,995.00	682.53	15,367.68	365.00	206.00	18,616.21
Owen Sound.....	1,260.00	315.00	1,005.00	250.00	9.00	2,839.00
Pembroke.....	1,785.00	236.16	1,331.00	100.00		3,452.16
Perth.....	52.50	17.50	1,612.89	500.00		3,128.89
	791.04	154.96				
Peterboro.....	1,260.00	315.00	2,482.00	200.00	32.00	4,289.00
Picton.....	765.63	210.00	509.56	150.00		1,635.19
St. Catharines.....	1,260.00	315.00	3,200.11	150.00	368.00	5,293.11
St. Thomas.....	1,491.00		2,680.27	200.00	14.00	4,385.27
Sarnia.....	1,260.00	420.00	2,522.07	137.50	40.00	4,542.07
				162.50		
Simcoe.....	882.00	262.50	1,660.10		213.00	3,017.60
Stratford.....	1,079.40	472.56	1,164.00	150.00		2,865.96
Toronto*.....	3,071.25	1,417.50	66,904.51	1,000.00	2,636.00	75,029.26
Walkerton.....	1,062.56	212.35	1,351.69	140.00	12.00	2,778.60
Welland.....	1,806.04	315.00	3,608.02	300.00	92.00	6,121.06
Whitby.....	1,050.00	262.50	3,171.64	150.00		4,634.14
Windsor.....	1,680.00	630.00	12,632.14	900.00	142.00	15,984.14
Woodstock.....	1,155.00	315.00	1,619.00	200.00	15.00	3,304.00
DISTRICT GAOLS						
Bracebridge.....	1,556.92	300.00	1,299.44	150.00		3,306.36
Fort Frances.....	1,325.92	208.87	5,288.15	200.00		7,566.01
	468.07	75.00				
Gore Bay.....	1,556.88	300.00	253.50	200.00		2,310.38
Haileybury.....	2,106.00	650.00	10,497.61	400.00	102.00	13,755.61
Kenora.....	2,164.52	300.00	6,520.07	300.00		9,284.59
North Bay.....	2,223.04	675.00	9,782.64	400.00	93.00	13,173.68
Parry Sound.....	1,671.00	450.00	2,740.32	250.00	26.00	5,137.32
Port Arthur.....	2,299.88	957.96	15,575.72	400.00	161.00	19,394.56
Sault Ste. Marie.....	1,988.96	400.00	5,034.75	300.00	84.00	7,807.71
Sudbury.....	2,300.00	400.00	8,626.67	720.00	104.00	12,150.67

\*City Gaols.

TABLE  
MOVEMENT OF

CITY and COUNTY GAOLS	Number Remaining in custody on remand March 31, 1942			Number Remaining in custody awaiting trial March 31, 1942			Number Remaining in custody serving unexpired sentences or for other reasons March 31, 1942			Number Committed during the year ending March 31, 1943		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie.....	3	2	5	2		2	13		13	421	51	472
Belleville.....	5	2	7				16	4	20	389	38	427
Brampton.....				3		3	5	1	6	123	3	126
Brantford.....	4		4				9		9	310	15	325
Brockville.....	1		1				15		15	254	30	284
Cayuga.....				1		1	1		1	112	10	122
Chatham.....	1	1	2				13		13	306	24	330
Cobourg.....	3		3	1	1	2	9		9	232	22	254
Cornwall.....	6		6				9	2	11	264	18	282
Goderich.....	1		1				3		3	54	2	56
Guelph.....	1		1	1		1	9		9	236	20	256
Hamilton*.....	17	3	20	2		2	52	2	54	1,568	187	1,755
Kingston.....	6	3	9				14	1	15	384	34	418
Kitchener.....	2		2				18		18	278	52	330
Lindsay.....				1		1	1	1	2	79	4	83
London.....	3	1	4				21	3	24	885	107	992
L'Orignal.....							3		3	175	8	183
Milton.....							8		8	117	4	121
Napanee.....							1	1	2	82	7	89
Orangeville.....				3		3				29		29
Ottawa.....	18	7	25	13	1	14	44	2	46	1,193	165	1,358
Owen Sound.....							10		10	139	9	148
Pembroke.....	3	1	4				12		12	197	37	234
Perth.....							2	1	3	101	2	103
Peterboro.....	1		1				14		14	248	21	269
Pictou.....	1		1				1		1	59	4	64
St. Catharines.....							17		17	333	3	336
St. Thomas.....							11		11	209	12	221
Sarnia.....	15		15							440	26	466
Simcoe.....	3		3							247	17	264
Stratford.....				2	1	3	7		7	88	1	89
Toronto*.....	13	4	17	10	1	11	228	19	247	7,529	765	8,294
Walkerton.....							2	1	3	71	5	76
Welland.....	5		5				25		25	588	24	612
Whitby.....	4		4				10		10	502	29	531
Windsor.....	12	2	14	1		1	12	4	16	964	86	1,050
Woodstock.....							5		5	107	7	114
DISTRICT GAOLS												
Bracebridge.....							2		2	65	2	67
Fort Frances.....	2		2	1		1	3		3	117	7	124
Gore Bay.....										34		34
Haileybury.....	1		1	2		2	40	5	45	399	35	434
Kenora.....	2	2	4				12		12	280	19	299
North Bay.....		1	1	2		2	20	3	23	408	67	475
Parry Sound.....					1	1	6	1	7	349	24	373
Port Arthur.....	4	1	5	3		3	72	7	79	825	129	954
Sault Ste. Marie.....	9		9				15	2	17	362	47	409
Sudbury.....	9	4	13	3		3	28	4	32	1,004	85	1,089
Totals.....	185	31	219	51	5	56	848	64	912	23,147	2,264	25,411

\*City Gaols.

No. 2

## GAOL POPULATION

CITY and COUNTY GAOLS	Total number in custody during year			Number released on bail			Number acquitted and released			Number released by order of judge or court without trial		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	Barrie.....	439	53	492				63	10	73		
Belleville.....	410	44	454	5		5	43	13	56	5		5
Brampton.....	131	4	135	2		2	9	1	10	3		3
Brantford.....	323	15	338	10		10	99	3	102	2		2
Brockville.....	270	30	300	2	1	3	11	5	16			
Cayuga.....	114	10	124	14		14	11		11			
Chatham.....	320	25	345	5		5	27	2	29			
Cobourg.....	245	23	268	20	2	22	12	3	15	2		2
Cornwall.....	279	20	299	1		1						
Goderich.....	58	2	60	15	1	16	6		6			
Guelph.....	247	20	267	13		13	17	2	19	1		1
Hamilton*.....	1,639	192	1,831	62	11	73	193	43	236	8	6	14
Kingston.....	404	38	442				16	4	20	5	2	7
Kitchener.....	298	52	350	3		3	65	13	78	3	1	4
Lindsay.....	81	5	86	2		2	5	1	6			
London.....	909	111	1,020				86	11	97			
L'Orignal.....	178	8	186	34	2	36	3	1	4	8		8
Milton.....	125	4	129	1		1	11	2	13			
Napanee.....	83	8	91	17		17						
Orangeville.....	32		32	16		16				1		1
Ottawa.....	1,268	175	1,443	11	1	12	168	39	207	12	7	19
Owen Sound.....	149	9	158	1		1	6	1	7			
Pembroke.....	212	38	250	1		1	2		2	3		3
Perth.....	103	3	106				11		11			
Peterboro.....	263	21	284	1		1	37	1	38			
Picton.....	52	4	56	1		1	12	1	13		3	3
St. Catharines.....	350	3	353	2		2	20	3	23			
St. Thomas.....	220	12	232	23		23	3		3	6	1	7
Sarnia.....	455	26	481		1	1	19	6	25	2		2
Simcoe.....	250	17	267	4		4				5	1	6
Stratford.....	97	2	99	5		5						
Toronto*.....	7,810	789	8,599	1,314	141	1,455		1	1	41		41
Walkerton.....	73	6	79	9		9	8	1	9			
Welland.....	618	24	642	44	3	47	80		80	3		3
Whitby.....	516	29	545	2		2	50	4	54	4		4
Windsor.....	1,019	92	1,111	7		7	100	23	123	7		7
Woodstock.....	112	7	119	9		9	5		5			
DISTRICT GAOLS												
Bracebridge.....	67	2	69				8		8			
Fort Frances.....	123	7	130				14	1	15	2		2
Gore Bay.....	34		34				1		1			
Haileybury.....	442	40	482	4	2	6	4		4	13	1	14
Kenora.....	294	21	315	7		7	17	3	20			
North Bay.....	430	71	501	5	3	8	38	16	54	3	1	4
Parry Sound.....	355	26	381				29	5	34	3	1	4
Port Arthur.....	904	137	1,041				47	6	53			
Sault Ste. Marie.....	386	49	435	1		1				105	10	115
Sudbury.....	1,044	93	1,137	40	7	47	3		3	9	3	12
Totals.....	24,231	2,367	26,598	1,713	175	1,888	1,359	225	1,584	256	37	293

\*City Gaols.

TABLE  
MOVEMENT OF

CITY and COUNTY GAOLS	Number with option of a fine or gaol term who paid fines and were released			Number released on suspended sentences			Number released for any other reason		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie.....	61	1	62	19	5	24	23	14	37
Belleville.....	38	2	40	39	3	42	61		61
Brampton.....	39		39	17		17			
Brantford.....	8	4	12	14	1	15	11		11
Brockville.....	21	1	22	19	1	20	8		8
Cayuga.....	21		21	7	2	9	10	1	11
Chatham.....	30	1	31	47	2	49	8	4	12
Cobourg.....	31	1	32	15	4	19	20	1	21
Cornwall.....	26	1	27	29	2	31	47	3	50
Goderich.....	1		1	4		4	5	1	6
Guelph.....	62	7	69	13	1	14	4		4
Hamilton*.....	126	19	145	130	27	157			
Kingston.....	80	2	82	27	7	34	14	7	21
Kitchener.....	40	2	42	56	8	64	5		5
Lindsay.....	13	1	14	18		18			
London.....	61	15	76	55	13	68	69	4	73
L'Orignal.....	15		15	5		5	9		9
Milton.....	11	1	12	10		10	9	1	10
Napanee.....	12	1	13	5	2	7	11	1	12
Orangeville.....	3		3						
Ottawa.....	64	7	71	142	27	169	8	2	10
Owen Sound.....	5	1	6	5	1	6	3		3
Pembroke.....	2		2	12	4	16	88	18	106
Perth.....	9	1	10	7		7	3		3
Peterboro.....	20	3	23	14	3	17	2		2
Pictou.....	7		7	13		13	4		4
St. Catharines.....	24		24	9		9	5		5
St. Thomas.....	20	1	21	21	2	23	5		5
Sarnia.....	145	4	149	23	5	28	39	1	40
Simcoe.....	90	10	100	22	1	23	50	3	53
Stratford.....	4		4	8		8	17	1	18
Toronto*.....	732	95	827	1,165	137	1,302	332	63	395
Walkerton.....	4		4	6	2	8	1		1
Welland.....	63	7	70	58	4	62	3		3
Whitby.....	151	11	162	25	4	29	5	1	6
Windsor.....	65	7	72	88	8	96	57	20	77
Woodstock.....	11		11	6		6	6	2	8
DISTRICT GAOLS									
Bracebridge.....	3		3				2		2
Fort Frances.....	19		19	11		11	1		1
Gore Bay.....	2		2	2		2	1		1
Haileybury.....	7	2	9	5		5	5	2	7
Kenora.....	41	3	44	36	3	39	2		2
North Bay.....	38	2	40	39	10	49	5	1	6
Parry Sound.....	169	7	176	7		7	26	1	27
Port Arthur.....	137	14	151	20	2	22	30	18	48
Sault Ste. Marie.....	11	2	13	15		15	65	3	68
Sudbury.....	137	6	143	39	2	41	441	50	491
Totals.....	2,709	272	2,981	2,327	293	2,620	1,520	223	1,743

\*City Gaols.



No. 2 (Continued).  
GAOL POPULATION

CITY and COUNTY GAOLS	Number discharged on expiration of sentence			Number transferred to other institutions			Number sentenced and deported direct from gaol		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie.....	132	8	140	116	13	129			
Belleville.....	143	12	155	59	11	70			
Brampton.....	30	2	32	28	1	29			
Brantford.....	128	5	133	41	2	43			
Brockville.....	147	9	156	54	13	67	1		1
Cayuga.....	22	5	27	20	1	21			
Chatham.....	144	4	148	33	9	42	1		1
Cobourg.....	89	4	93	44	7	51	4		4
Cornwall.....	124	5	129	39	7	46	1		1
Goderich.....	15		15	11		11			
Guelph.....	90	1	91	35	8	43			
Hamilton*.....	651	23	674	386	54	440	2		2
Kingston.....	189	7	196	56	7	63			
Kitchener.....	66		66	41	28	69	1		1
Lindsay.....	28	1	29	11	2	13			
London.....	544	58	602	53	5	58	3		3
L'Orignal.....	70		70	27	5	32			
Milton.....	53		53	27		27			
Napanee.....	28	2	30	9	2	11			
Orangeville.....	5		5	7		7			
Ottawa.....	715	67	782	104	15	119	2		2
Owen Sound.....	61		61	56	6	62	2		2
Pembroke.....	71	6	77	30	8	38			
Perth.....	62		62	8	1	9			
Peterboro.....	158	10	168	15	2	17			
Picton.....	12		12	2		2			
St. Catharines.....	231		231	38		38	3		3
St. Thomas.....	121	5	126	18	3	21			
Sarnia.....	161	6	167	30	3	33	1		1
Simcoe.....	62	1	63	15	1	16			
Stratford.....	45		45	17	1	18	1		1
Toronto*.....	1,810	207	2,017	2,220	120	2,340	12		12
Walkerton.....	24	1	25	19	1	20			
Welland.....	255	6	261	77	4	81	3		3
Whitby.....	174	3	177	80	6	86	1		1
Windsor.....	514	15	529	124	16	140	8		8
Woodstock.....	53	2	55	21	1	22			
DISTRICT GAOLS									
Bracebridge.....	39	2	41	15		15			
Fort Frances.....	21		21	17	6	23	1		1
Gore Bay.....	7		7	18		18			
Haileybury.....	264	23	287	111	8	119			
Kenora.....	131	4	135	41	7	48	1		1
North Bay.....	189	19	208	87	16	103	1		1
Parry Sound.....	100	9	109	17	2	19			
Port Arthur.....	526	45	571	93	7	100			
Sault Ste. Marie.....	115	17	132	57	13	70			
Sudbury.....	216	7	223	126	15	141			
Totals.....	8,835	601	9,436	4,553	437	4,990	49		49

\*City Gaols.

TABLE  
MOVEMENT OF

CITY and COUNTY GAOLS	Died before trial			Died while undergoing sentence			Escaped and not recaptured during year			Number remain- ing in custody on remand March 31, 1943		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie.....										3		3
Belleville.....							1		1	6	1	7
Brampton.....												
Brantford.....	1		1									
Brockville.....										5		5
Cayuga.....										2		2
Chatham.....										13	2	15
Cobourg.....												
Cornwall.....										4		4
Goderich.....												
Guelph.....										1		1
Hamilton*.....				1		1				30	8	38
Kingston.....				1		1						
Kitchener.....										2		2
Lindsay.....										2		2
London.....										3	1	4
L'Orignal.....												
Milton.....										3		3
Napanee.....												
Orangeville.....												
Ottawa.....										14	2	16
Owen Sound.....										2		2
Pembroke.....											2	2
Perth.....												
Peterboro.....											1	1
Picton.....												
St. Catharines.....										6		6
St. Thomas.....												
Sarnia.....				1		1						
Simcoe.....										1		1
Stratford.....												
Toronto*.....				1		1				32	4	36
Walkerton.....										1		1
Welland.....										5		5
Whitby.....										2		2
Windsor.....										16		16
Woodstock.....											1	1
DISTRICT GAOLS												
Bracebridge.....												
Fort Frances.....				1		1				1		1
Gore Bay.....												
Haileybury.....										3	1	4
Kenora.....				1		1						
North Bay.....	1		1		1	1	1		1	2		2
Parry Sound.....												
Port Arthur.....	1		1							7	6	13
Sault Ste. Marie.....										2		2
Sudbury.....		1	1							6		6
Totals.....	3	1	4	6	1	7	2		2	174	29	203

\*City Gaols.

No. 2 (Concluded).  
GAOL POPULATION

CITY and COUNTY GAOLS	Number remaining in custody awaiting trial March 31, 1943			Number remaining in custody serving unexpired sentences or for other reasons March 31, 1943			Total		
	M.	F.	T.	M.	F.	T.	Male	Female	Total
Barrie.....	4		4	18	2	20	439	53	492
Belleville.....				10	2	12	410	44	454
Brampton.....				3		3	131	4	135
Brantford.....				9		9	323	15	338
Brockville.....				2		2	270	30	300
Cayuga.....	3	1	4	4		4	114	10	124
Chatham.....				12	1	13	320	25	345
Cobourg.....	7	1	8	1		1	245	23	268
Cornwall.....				8	2	10	279	20	299
Goderich.....				1		1	58	2	60
Guelph.....				11	1	12	247	20	267
Hamilton*.....				50	1	51	1,639	192	1,831
Kingston.....	6	2	8	10		10	404	38	442
Kitchener.....				16		16	298	52	350
Lindsay.....	1		1	1		1	81	5	86
London.....				35	4	39	909	111	1,020
L'Orignal.....	6		6	1		1	178	8	186
Milton.....							125	4	129
Napanee.....				1		1	83	8	91
Orangeville.....							32		32
Ottawa.....	1		1	27	8	35	1,268	175	1,443
Owen Sound.....				8		8	149	9	158
Pembroke.....				3		3	212	38	250
Perth.....				3	1	4	103	3	106
Peterboro.....	3		3	13	1	14	263	21	284
Pictou.....				1		1	52	4	56
St. Catharines.....				12		12	350	3	353
St. Thomas.....				3		3	220	12	232
Sarnia.....				34		34	455	26	481
Simcoe.....				1		1	250	17	267
Stratford.....							97	2	99
Toronto*.....	9	3	12	142	18	160	7,810	789	8,599
Walkerton.....				1	1	2	73	6	79
Welland.....				27		27	618	24	642
Whitby.....	3		3	19		19	516	29	545
Windsor.....	7		7	26	3	29	1,019	92	1,111
Woodstock.....				1	1	2	112	7	119
DISTRICT GAOLS									
Bracebridge.....							67	2	69
Fort Frances.....				5		5	123	7	130
Gore Bay.....				3		3	34		34
Haileybury.....	1		1	25	1	26	442	40	482
Kenora.....	1		1	16	1	17	294	21	315
North Bay.....	5	1	6	16	1	17	430	71	501
Parry Sound.....				4	1	5	355	26	381
Port Arthur.....	5	1	6	38	8	46	904	137	1,041
Saulte Ste. Marie... Sudbury.....	4 3		4 3	11 24	4 2	15 26	386 1,044	49 93	435 1,137
Totals.....	69	9	78	656	64	720	24,231	2,367	26,598

\*City Gaols.

TABLE  
Criminal History, Number  
and Number

CITY and COUNTY GAOLS	Criminal History of Those Committed							
	First Time		Second Time		Third Time		Over Three Times	
	Male	Female	Male	Female	Male	Female	Male	Female
Barrie.....	375	37	25	7	13	1	8	6
Belleville.....	369	38	6	.....	6	.....	8	.....
Brampton.....	64	1	21	2	19	.....	19	.....
Brantford.....	144	14	63	.....	35	.....	68	1
Brockville.....	109	18	45	11	38	1	62	.....
Cayuga.....	106	9	4	1	1	.....	1	.....
Chatham.....	126	12	42	6	34	3	104	3
Cobourg.....	138	16	40	5	32	.....	22	1
Cornwall.....	136	14	41	3	19	1	68	.....
Goderich.....	27	2	8	.....	2	.....	17	.....
Guelph.....	140	14	32	1	29	3	35	2
Hamilton*.....	844	122	168	37	76	8	480	20
Kingston.....	259	27	25	2	40	2	60	3
Kitchener.....	181	40	45	8	8	2	44	2
Lindsay.....	58	3	10	1	4	.....	7	.....
London.....	333	43	160	13	60	3	332	48
L'Orignal.....	120	7	35	1	11	.....	9	.....
Milton.....	78	4	8	.....	12	.....	19	.....
Napanee.....	32	4	13	2	16	.....	21	1
Orangeville.....	15	.....	3	.....	3	.....	8	.....
Ottawa.....	466	105	164	31	73	3	490	26
Owen Sound.....	77	7	16	.....	6	.....	40	2
Pembroke.....	184	35	11	2	2	.....	.....	.....
Perth.....	75	1	7	1	10	.....	9	.....
Peterboro.....	127	17	34	4	13	.....	74	.....
Pictou.....	34	3	6	1	4	.....	6	.....
St. Catharines.....	104	3	30	.....	13	.....	186	.....
St. Thomas.....	99	7	37	2	24	.....	49	3
Sarnia.....	249	22	78	3	39	1	74	.....
Simcoe.....	139	11	68	3	14	.....	26	3
Stratford.....	65	1	14	.....	4	.....	5	.....
Toronto*.....	3,278	421	1,374	93	749	36	2,128	215
Walkerton.....	34	3	14	1	16	.....	7	1
Welland.....	301	20	88	3	50	1	149	.....
Whitby.....	425	24	30	3	25	.....	22	2
Wind-or.....	596	73	164	10	75	3	129	.....
Woodstock.....	87	6	12	1	4	.....	4	.....
DISTRICT GAOLS								
Bracebridge.....	36	2	8	.....	8	.....	13	.....
Fort Frances.....	62	5	21	2	19	.....	15	.....
Gore Bay.....	22	.....	9	.....	.....	.....	3	.....
Haileybury.....	165	7	75	10	37	3	122	15
Kenora.....	256	16	12	2	7	1	5	.....
North Bay.....	165	49	89	4	39	5	115	9
Parry Sound.....	273	13	43	6	18	3	15	2
Port Arthur.....	595	73	81	27	64	15	85	14
Sault Ste. Marie.....	184	21	63	10	47	4	68	9
Sudbury.....	555	49	266	31	115	2	68	3
Totals.....	12,307	1,422	3,608	350	1,933	101	5,299	391

\*City Gaols.

No. 3  
Over and Under Sixteen  
Committed.

CITY and COUNTY GAOLS	Under 16 years of Age			16 years of Age and over			Total number committed during year		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie.....	6	1	7	415	50	465	421	51	472
Belleville.....	2	6	8	387	32	419	389	38	427
Brampton.....	4	1	5	119	2	121	123	3	126
Brantford.....	9	.....	9	301	15	316	310	15	325
Brockville.....	15	2	17	239	28	267	254	30	284
Cayuga.....	.....	.....	.....	112	10	122	112	10	122
Chatham.....	5	.....	5	301	24	325	306	24	330
Cobourg.....	10	2	12	222	20	242	232	22	254
Cornwall.....	5	1	6	259	17	276	264	18	282
Goderich.....	2	1	3	52	1	53	54	2	56
Guelph.....	.....	.....	.....	236	20	256	236	20	256
Hamilton*.....	16	1	17	1,552	186	1,738	1,568	187	1,755
Kingston.....	5	1	6	379	33	412	384	34	418
Kitchener.....	15	5	20	263	47	310	278	52	330
Lindsay.....	1	.....	1	78	4	82	79	4	83
London.....	.....	.....	.....	885	107	992	885	107	992
L'Orignal.....	1	.....	1	174	8	182	175	8	183
Milton.....	.....	.....	.....	117	4	121	117	4	121
Napanee.....	1	.....	1	81	7	88	82	7	89
Orangeville.....	.....	.....	.....	29	.....	29	29	.....	29
Ottawa.....	14	3	17	1,179	162	1,341	1,193	165	1,358
Owen Sound.....	1	1	2	138	8	146	139	9	148
Pembroke.....	3	3	6	194	34	228	197	37	234
Perth.....	1	.....	1	100	2	102	101	2	103
Peterboro.....	7	2	9	241	19	260	248	21	269
Picton.....	10	1	11	40	3	43	50	4	54
St. Catharines.....	3	.....	3	330	3	333	333	3	336
St. Thomas.....	.....	.....	.....	209	12	221	209	12	221
Sarnia.....	3	1	4	437	25	462	440	26	466
Simcoe.....	.....	1	1	247	16	263	247	17	264
Stratford.....	8	.....	8	80	1	81	88	1	89
Toronto*.....	11	.....	11	7,518	765	8,283	7,529	765	8,294
Walkerton.....	2	.....	2	69	5	74	71	5	76
Welland.....	1	.....	1	587	24	611	588	24	612
Whitby.....	11	1	12	491	28	519	502	29	531
Windsor.....	19	3	22	945	83	1,028	964	86	1,050
Woodstock.....	3	1	4	104	6	110	107	7	114
DISTRICT GAOLS									
Bracebridge.....	1	.....	1	64	2	66	65	2	67
Fort Frances.....	4	.....	4	113	7	120	117	7	124
Gore Bay.....	5	.....	5	29	.....	29	34	.....	34
Haileybury.....	.....	.....	.....	399	35	434	399	35	434
Kenora.....	6	1	7	274	18	292	280	19	299
North Bay.....	13	4	17	395	63	458	408	67	475
Parry Sound.....	4	1	5	345	23	368	349	24	373
Port Arthur.....	11	1	12	814	128	942	825	129	954
Sault Ste. Marie.....	4	.....	4	358	47	405	362	47	409
Sudbury.....	11	4	15	993	81	1,074	1,004	85	1,089
Totals.....	253	49	302	22,894	2,215	25,109	23,147	2,264	25,411

\*City Gaols.

TABLE  
Social Status and Habits of Prisoners Committed

CITY and COUNTY GAOLS	Married			Single			Could read and write		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	176	16	192	245	35	280	418	51	469
Belleville	138	12	150	251	26	277	379	38	417
Brampton	33	2	35	90	1	91	121	2	123
Brantford	100	10	110	210	5	215	304	14	318
Brockville	56	9	65	198	21	219	247	29	276
Cayuga	48	8	56	64	2	66	110	10	120
Chatham	102	9	111	204	15	219	287	23	310
Cobourg	88	9	97	144	13	157	231	22	253
Cornwall	93	9	102	171	9	180	221	16	237
Goderich	22		22	32	2	34	54	2	56
Guelph	77	11	88	159	9	168	236	20	256
Hamilton*	629	113	742	939	74	1,013	1,543	185	1,728
Kingston	130	18	148	254	16	270	376	34	410
Kitchener	79	12	91	199	40	239	278	52	330
Lindsay	27	4	31	52		52	73	4	77
London	249	71	320	636	36	672	885	107	992
L'Orignal	42	3	45	133	5	138	168	7	175
Milton	35	2	37	82	2	84	116	4	120
Napanee	33	4	37	49	3	52	77	7	84
Orangeville	13		13	16		16	27		27
Ottawa	292	76	368	901	89	990	1,124	158	1,282
Owen Sound	67	8	75	72	1	73	133	9	142
Pembroke	56	9	65	141	28	169	194	36	230
Perth	28	2	30	73		73	97	2	99
Peterboro	82	8	90	166	13	179	228	21	249
Picton	12	1	13	38	3	41	49	4	53
St. Catharines	102	1	103	231	2	233	330	3	333
St. Thomas	69	6	75	140	6	146	206	12	218
Sarnia	147	10	157	293	16	309	436	26	462
Simcoe	96	11	107	151	6	157	229	17	246
Stratford	27	1	28	61		61	87	1	88
Toronto*	2,847	476	3,323	4,682	289	4,971	7,497	765	8,262
Walkerton	33	2	35	38	3	41	71	5	76
Welland	172	9	181	416	15	431	565	22	587
Whitby	206	20	226	296	9	305	483	26	509
Windsor	310	45	355	654	41	695	940	85	1,025
Woodstock	29	1	30	78	6	84	102	7	109
DISTRICT GAOLS									
Bracebridge	23	2	25	42		42	59	2	61
Fort Frances	44	3	47	73	4	77	105	7	112
Gore Bay	15		15	19		19	27		27
Haileybury	139	25	164	260	10	270	346	32	378
Kenora	70	14	84	210	5	215	240	15	255
North Bay	113	33	146	295	34	329	351	62	413
Parry Sound	119	14	133	230	10	240	334	23	357
Port Arthur	148	81	229	677	48	725	813	126	939
Sault Ste. Marie	106	28	134	256	19	275	333	41	374
Sudbury	225	42	267	779	43	822	952	82	1,034
Totals	7,747	1,250	8,997	15,400	1,014	16,414	22,482	2,216	24,698

\*City Gaols.

No. 4.

during the Year Ending March 31, 1943.

CITY and COUNTY GAOLS	Illiterate			Temperate			Intemperate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie.....	3		3	379	51	430	42		42
Belleville.....	10		10	244	32	276	145	6	151
Brampton.....	2	1	3	48	3	51	75		75
Brantford.....	6	1	7	130	12	142	180	3	183
Brockville.....	7	1	8	130	26	156	124	4	128
Cayuga.....	2		2	33	5	38	79	5	84
Chatham.....	19	1	20	149	17	166	157	7	164
Cobourg.....	1		1	108	14	122	124	8	132
Cornwall.....	43	2	45	67	11	78	197	7	204
Goderich.....				34	2	36	20		20
Guelph.....				101	11	112	135	9	144
Hamilton*.....	25	2	27	584	131	715	984	56	1,040
Kingston.....	8		8	66	25	91	318	9	327
Kitchener.....				166	46	212	112	6	118
Lindsay.....	6		6	45	2	47	34	2	36
London.....				148	25	173	737	82	819
L'Orignal.....	7	1	8	116	7	123	59	1	60
Milton.....	1		1	40	2	42	77	2	79
Napanee.....	5		5	10	3	13	72	4	76
Orangeville.....	2		2	13		13	16		16
Ottawa.....	69	7	76	598	119	717	595	46	641
Owen Sound.....	6		6	37	5	42	102	4	106
Pembroke.....	3	1	4	24	4	28	173	33	206
Perth.....	4		4	77	2	79	24		24
Peterboro.....	20		20	133	20	153	115	1	116
Picton.....	1		1	18	2	20	32	2	34
St. Catharines.....	3		3	89	2	91	244	1	245
St. Thomas.....	3		3	169	10	179	40	2	42
Sarnia.....	4		4	210	21	231	230	5	235
Simcoe.....	18		18	71	8	79	176	9	185
Stratford.....	1		1	57	1	58	31		31
Toronto*.....	32		32	1,676	181	1,857	5,853	584	6,437
Walkerton.....				26	2	28	45	3	48
Welland.....	23	2	25	196	20	216	392	4	396
Whitby.....	19	3	22	105	7	112	397	22	419
Windsor.....	24	1	25	314	60	374	650	26	676
Woodstock.....	5		5	41	7	48	66		66
DISTRICT GAOLS									
Bracebridge.....	6		6	57	2	59	8		8
Fort Frances.....	12		12	51	7	58	66		66
Gore Bay.....	7		7	11		11	23		23
Haileybury.....	53	3	56	208	12	220	191	23	214
Kenora.....	40	4	44	126	14	140	154	5	159
North Bay.....	57	5	62	53	26	79	355	41	396
Parry Sound.....	15	1	16	35	5	40	314	19	333
Port Arthur.....	12	3	15	214	61	275	611	68	679
Sault Ste. Marie.....	29	6	35	105	17	122	257	30	287
Sudbury.....	52	3	55	199	45	244	805	40	845
Totals.....	665	48	713	7,511	1,085	8,596	15,636	1,179	16,815

\*City Gaols.

TABLE  
Prisoners Transferred

CITY and COUNTY GAOLS	Sentenced to Gaol and afterwards removed to a Reformatory		Sentenced to Gaol and afterwards removed to an Industrial Farm	Sentenced to and removed to a Reformatory		Sentenced to and removed to an Industrial Farm	Sentenced to and removed to a Penitentiary			
	Male	Female	Male	Male	Female	Male	M.	F.	T.	
Barrie.....	10		10	43	11	18	3		3	
Belleville.....			1	32	3	2	5		5	
Brampton.....	12		5				1		1	
Brantford.....	11		10	6		5	4		4	
Brockville.....	12	8		33	4		4		4	
Cayuga.....	11									
Chatham.....				17	4		7		7	
Cobourg.....	3		1	11	6	6	10		10	
Cornwall.....	6		7	14			7		7	
Goderich.....	4		3				1		1	
Guelph.....	5			20	8		3		3	
Hamilton*.....	126	2		208	48		33	1	34	
Kingston.....				49	4		6		6	
Kitchener.....	1			15	18	9	3		3	
Lindsay.....				3			2		2	
London.....	8			19	4	18	8	1	9	
L'Orignal.....				16	4	6	4		4	
Milton.....				15		4	3		3	
Napanee.....				3	1	2	1		1	
Orangeville.....				3			2		2	
Ottawa.....	1		3	53	13	30	10	1	11	
Owen Sound.....				4	1	3	2		2	
Pembroke.....	3		14	3	6	7	1		1	
Perth.....				2		1				
Peterboro.....				6	1		3		3	
Picton.....										
St. Catharines.....	34						2		2	
St. Thomas.....				13	3		1		1	
Sarnia.....	1		1	17		7	3		3	
Simcoe.....				6		6	1		1	
Stratford.....	4	1		8			4		4	
Toronto*.....	1,503	96	568				98	7	105	
Walkerton.....				5	1		2		2	
Welland.....	22	1	1	33			10	1	11	
Whitby.....	34		12				8		8	
Windsor.....	4	1	2	51	12	19	35	1	36	
Woodstock.....	1		1	8		3	2		2	
DISTRICT GAOLS										
Bracebridge.....				6		3				
Fort Frances.....	3	1	1							
Gore Bay.....			2	2		3				
Haileybury.....	6	1	52	2	1	2	12		12	
Kenora.....				3	1	9	2		2	
North Bay.....			1	12	4	13	8		8	
Parry Sound.....				15	1		1		1	
Port Arthur.....	2	1	29	3	1	40	18		18	
Sault Ste. Marie.....			2	5	9	28	7		7	
Sudbury.....			81	9	6	8	12		12	
Totals.....	1,857	112	807	776	178	282	349	12	361	

\*City Gaols.



No. 5.

To Other Institutions.

CITY and COUNTY GAOLS	Sentenced to and removed to an Industrial Refuge			Transferred to an Industrial School			Transferred to a Mental Hospital or to some other place of confinement			Total		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	Male	Female	Total
Barrie.....					1	1	2	1	3	116	13	129
Belleville.....	5		5		6	6	14	2	16	59	11	70
Brampton.....					1	1	10		10	28	1	29
Brantford.....		2	2	2		2	3		3	41	2	43
Brockville.....				3		3	2	1	3	54	13	67
Cayuga.....							9	1	10	20	1	21
Chatham.....				4	3	7	5	2	7	33	9	42
Cobourg.....				6	1	7	7		7	44	7	51
Cornwall.....		4	4	3	2	5	2	1	3	39	7	46
Goderich.....							3		3	11		11
Guelph.....							7		7	35	8	43
Hamilton*.....				4		4	15	3	18	386	54	440
Kingston.....							1	3	4	56	7	63
Kitchener.....				3	2	5	10	8	18	41	28	69
Lindsay.....							6	2	8	11	2	13
London.....										53	5	58
L'Orignal.....				1		1		1	1	27	5	32
Milton.....							5		5	27		27
Napanee.....				1	1	2	2		2	9	2	11
Orangeville.....							2		2	7		7
Ottawa.....							7	1	8	104	15	119
Owen Sound.....							47	5	52	56	6	62
Pembroke.....							2	2	4	30	8	38
Perth.....				2		2	3	1	4	8	1	9
Peterboro.....				2	1	3	4		4	15	2	17
Picton.....							2		2	2		2
St. Catharines.....							2		2	38		38
St. Thomas.....							4		4	18	3	21
Sarnia.....		1	1		2	2	1		1	30	3	33
Simcoe.....					1	1	2		2	15	1	16
Stratford.....							1		1	17	1	18
Toronto*.....							51	17	68	2,220	120	2,340
Walkerton.....							12		12	19	1	20
Welland.....							11	2	13	77	4	81
Whitby.....							26	6	32	80	6	86
Windsor.....		1	1	1		1	9	1	10	124	16	140
Woodstock.....							6	1	7	21	1	22
DISTRICT GAOLS												
Bracebridge.....							6		6	15		15
Fort Frances.....				1		1	12	5	17	17	6	23
Gore Bay.....				4		4	7		7	18		18
Haileybury.....							37	6	43	111	8	119
Kenora.....				1	1	2	26	5	31	41	7	48
North Bay.....							23	12	35	87	16	103
Parry Sound.....				1		1		1	1	17	2	19
Port Arthur.....		1	1	1	1	2				93	7	100
Sault Ste. Marie.....		3	3	2		2	13	1	14	57	13	70
Sudbury.....		2	2	2	2	4	14	5	19	126	15	141
Totals.....	5	14	19	44	25	69	433	96	529	4,553	437	4,990

\*City Gaols.

TABLE  
Period of Sentences—To Gaols.

CITY and COUNTY GAOLS	Suspended Sentences			Under 30 days			30 days and under 60 days			60 days or 2 months		
	M	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie.....	19	5	24	115	5	120	44	3	47	30		30
Belleville.....	39	3	42	123	10	133	32	3	35	9	1	10
Brampton.....	17		17	17		17	4	1	5	1		1
Brantford.....	14	1	15	76	1	77	21	3	24	10		10
Brockville.....	19	1	20	126	8	134	19	2	21	12	1	13
Cayuga.....	7	2	9	58	5	63	6		6	5		5
Chatham.....	47	2	49	148	13	161	16		16	2		2
Cobourg.....	15	4	19	71	3	74	10		10	4	1	5
Cornwall.....	29	2	31	107	3	110	23	2	25	5		5
Goderich.....	4		4	6		6	5		5	2		2
Guelph.....	13	1	14	50	1	51	77	6	83	15	1	16
Hamilton*.....	130	27	157	451	25	476	249	9	258	66	3	69
Kingston.....	27	7	34	174	4	178	41	3	44	16		16
Kitchener.....	56	8	64	58	1	59	22	1	23	15		15
Lindsay.....	18		18	28	2	30	10		10	1		1
London.....	55	13	68	474	45	519	100	19	119	13	7	20
L'Orignal.....	5		5	45	1	46	10		10			2
Milton.....	10		10	38	1	39	16		16	2		2
Napanee.....	5	2	7	23	1	24	13		13	4	1	5
Orangeville.....				3		3	2		2	1		1
Ottawa.....	142	27	169	597	54	651	139	23	162	27	4	31
Owen Sound.....	5	1	6	43		43	13		13	3		3
Pembroke.....	12	4	16	35	3	38	23	2	25	9		9
Perth.....	7		7	55	1	56	15		15	4	1	5
Peterboro.....	14	3	17	116	8	124	38	4	42	10	2	12
Picton.....	13		13	8		8	2		2	2		2
St. Catharines.....	9		9	171		171	49		49	10		10
St. Thomas.....	21	2	23	105	5	110	29	1	30	9	1	10
Sarnia.....	23	5	28	231	3	234	50	2	52	9	2	11
Simcoe.....	22	1	23	82	5	87	9	1	10	4		4
Stratford.....	8		8	32		32	8		8	2		2
Toronto*.....	1,165	137	1,302	1,126	113	1,239	1,110	115	1,225	467	61	528
Walkerton.....	6	2	8	12		12	9		9	3		3
Welland.....	58	4	62	186	10	196	91	2	93	17		17
Whitby.....	25	4	29	258	12	270	65		65	11	1	12
Windsor.....	88	8	96	360	11	371	123	6	129	43	2	45
Woodstock.....	6		6	50	2	52	7		7	3		3
DISTRICT GAOLS												
Bracebridge.....				30	2	32	5		5	7		7
Fort Frances.....	11		11	32		32	31		31	5		5
Gore Bay.....	2		2	5		5	3		3			
Haileybury.....	5		5	104	5	109	93	10	103	28	2	30
Kenora.....	36	3	39	93	5	98	42		42	19		19
North Bay.....	39	10	49	137	12	149	52	4	56	11		11
Parry Sound.....	7		7	225	15	240	22	1	23	7	1	8
Port Arthur.....	20	2	22	308	26	334	180	28	208	62	24	86
Sault Ste. Marie.....	15		15	34	9	43	33		33	21	6	27
Sudbury.....	39	2	41	261	3	264	54	4	58	44	4	48
Totals.....	2,327	293	2,620	6,887	433	7,320	3,015	255	3,270	1,050	126	1,176

\*City Gaols.

No. 6.

Reformatories, Penitentiaries or Elsewhere.

CITY and COUNTY GAOLS	3 months			4 months			5 months			6 months and under 9 months		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie.....	20	1	21	4	.....	4	11	.....	11	14	1	15
Belleville.....	14	.....	14	1	.....	1	1	.....	1	2	1	3
Brampton.....	3	.....	3	1	.....	1	.....	.....	.....	3	.....	3
Brantford.....	17	2	19	7	.....	7	.....	.....	.....	9	.....	9
Brockville.....	7	.....	7	1	.....	1	.....	.....	.....	.....	.....	.....
Cayuga.....	1	1	2	3	.....	3	.....	.....	.....	.....	.....	.....
Chatham.....	22	1	23	.....	.....	.....	5	.....	5	5	1	6
Cobourg.....	3	.....	3	.....	.....	.....	.....	.....	.....	.....	3	3
Cornwall.....	16	.....	16	.....	.....	.....	2	.....	2	11	.....	11
Goderich.....	1	.....	1	1	.....	1	.....	.....	.....	1	.....	1
Guelph.....	17	.....	17	.....	.....	.....	.....	.....	.....	5	2	7
Hamilton*.....	94	7	101	21	1	22	2	.....	2	20	1	21
Kingston.....	21	2	23	8	3	11	6	.....	6	14	1	15
Kitchener.....	16	2	18	2	.....	2	1	1	2	7	4	11
Lindsay.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
London.....	25	2	27	1	.....	1	.....	.....	.....	16	2	18
L'Orignal.....	12	.....	12	2	.....	2	.....	.....	.....	12	1	13
Milton.....	4	.....	4	1	.....	1	1	.....	1	5	.....	5
Napanee.....	3	1	4	1	1	2	1	.....	1	.....	.....	.....
Orangeville.....	1	.....	1	.....	.....	.....	.....	.....	.....	2	.....	2
Ottawa.....	54	8	62	7	1	8	4	2	6	4	4	8
Owen Sound.....	8	.....	8	1	.....	1	.....	.....	.....	2	.....	2
Pembroke.....	5	.....	5	.....	.....	.....	.....	.....	.....	11	2	13
Perth.....	4	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Peterboro.....	12	.....	12	.....	.....	.....	.....	.....	.....	2	.....	2
Pictou.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Catharines.....	29	.....	29	3	.....	3	.....	.....	.....	10	.....	10
St. Thomas.....	4	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sarnia.....	27	.....	27	.....	.....	.....	.....	.....	.....	1	.....	1
Simcoe.....	5	1	6	.....	.....	.....	.....	.....	.....	1	.....	1
Stratford.....	4	.....	4	2	.....	2	.....	.....	.....	.....	.....	.....
Toronto*.....	268	21	289	26	1	27	3	.....	3	219	10	229
Walkerton.....	3	.....	3	.....	.....	.....	.....	.....	.....	2	.....	2
Welland.....	28	3	31	8	.....	8	1	.....	1	18	1	19
Whitby.....	24	.....	24	4	1	5	5	.....	5	11	.....	11
Windsor.....	70	4	74	7	1	8	2	.....	2	13	2	15
Woodstock.....	3	.....	3	1	.....	1	1	.....	1	1	.....	1
DISTRICT GAOLS												
Bracebridge.....	1	.....	1	1	.....	1	.....	.....	.....	.....	.....	.....
Fort Frances.....	2	.....	2	.....	.....	.....	.....	.....	.....	5	.....	5
Gore Bay.....	.....	.....	.....	2	.....	2	.....	.....	.....	4	.....	4
Haileybury.....	52	5	57	.....	1	1	.....	.....	.....	25	.....	25
Kenora.....	13	2	15	4	.....	4	.....	.....	.....	8	.....	8
North Bay.....	35	5	40	5	1	6	1	.....	1	28	1	29
Parry Sound.....	12	.....	12	3	1	4	2	.....	2	5	.....	5
Port Arthur.....	64	17	81	13	2	15	1	.....	1	22	4	26
Sault Ste. Marie.....	27	1	28	11	.....	11	.....	.....	.....	12	6	18
Sudbury.....	23	2	25	14	.....	14	2	.....	2	19	.....	19
Totals.....	1,076	88	1,164	166	14	180	52	3	55	549	47	596

\*City Gaols.

TABLE  
Period of Sentences—To Gaols,

CITY and COUNTY GAOLS	9 months and under 12 months			12 months and under 18 months			18 months and under 24 months			Indeterminate with definite or other sentences		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie.....	22		22	17		17	10	2	12	32	12	44
Belleville.....	4		4	4		4	1		1	26	1	27
Brampton.....										12		12
Brantford.....				9	1	10				6	1	7
Brockville.....	1		1							32	4	36
Cayuga.....										10		10
Chatham.....	7	1	8							15	4	19
Cobourg.....				1	1	2	2		2	15	2	17
Cornwall.....	2		2	8	1	9	1		1	10	6	16
Goderich.....				1		1	2		2	5		5
Guelph.....				1		1				17	7	24
Hamilton*.....	1		1	5	1	6				201	45	246
Kingston.....	6		6	9		9	6		6	7		7
Kitchener.....				4		4		4	4	13	9	22
Lindsay.....										3		3
London.....				12	3	15	4		4	14		14
L'Orignal.....				3		3				11	2	13
Milton.....				5		5	2		2	10		10
Napanee.....				1		1				1		1
Orangeville.....							1		1			
Ottawa.....	1		1	2		2	2		2	81	8	89
Owen Sound.....										4	1	5
Pembroke.....	2		2	10		10	1		1	6	4	10
Perth.....										5		5
Peterboro.....				1		1				13	1	14
Pictou.....												
St. Catharines.....	1		1	5		5	4		4	6		6
St. Thomas.....				1		1				9	3	12
Sarnia.....				2		2				20	4	24
Simcoe.....										14	1	15
Stratford.....				2	1	3				4		4
Toronto*.....	13		13	102	4	106	57		57	376	5	381
Walkerton.....										3	2	5
Welland.....	2		2	11		11				16		16
Whitby.....	1		1	7	1	8	4		4	8		8
Windsor.....	1		1	27	1	28	18	1	19	21	5	26
Woodstock.....							1		1	11	1	12
DISTRICT GAOLS												
Bracebridge.....				1		1	1		1	11		11
Fort Frances.....	1		1	1		1					1	1
Gore Bay.....							3		3	6		6
Haileybury.....	3		3	8		8	10		10	3	3	6
Kenora.....										10	2	12
North Bay.....	3	1	4	10		10	6		6	2		2
Parry Sound.....	1		1	4		4	1		1	1		1
Port Arthur.....	7		7	25	1	26	9		9	5	2	7
Sault Ste. Marie.....	1		1	1		1		1	1	16	9	25
Sudbury.....	1	1	5				1		1	19	2	21
Totals.....	84	3	87	300	15	315	147	8	155	1,107	150	1,257

\*City Gaols.

No. 6 (Concluded).

Reformatories, Penitentiaries or Elsewhere.

CITY and COUNTY GAOLS	2 years and over to Penitentiaries			Sentenced to death and executed			Sentenced to death but sentence commuted			Totals		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	Male	Female	Total
Barrie.....	3		3							341	29	370
Belleville.....	5		5							261	19	280
Brampton.....	1		1							59	1	60
Brantford.....	4		4							173	9	182
Brockville.....	4		4							221	16	237
Cayuga.....										90	8	98
Chatham.....	7		7							274	22	296
Cobourg.....	7		7							128	14	142
Cornwall.....	8		8							222	14	236
Goderich.....	1		1							29		29
Guelph.....	3		3							198	18	216
Hamilton*.....	33	1	34							1,273	120	1,393
Kingston.....	6		6							341	20	361
Kitchener.....	3		3							197	30	227
Lindsay.....	2		2							64	2	66
London.....	8	1	9							722	92	814
L'Orignal.....	4		4							104	4	108
Milton.....	3		3							97	1	98
Napanee.....	1		1							53	6	59
Orangeville.....	2		2							12		12
Ottawa.....	13	2	15							1,073	133	1,206
Owen Sound.....	2		2							81	2	83
Pembroke.....	1		1							115	15	130
Perth.....										90	2	92
Peterboro.....	3		3							209	18	227
Picton.....										25		25
St. Catharines.....	2		2							299		299
St. Thomas.....	1		1							179	12	191
Sarnia.....	3		3							366	16	382
Simcoe.....	1		1							138	9	147
Stratford.....	4		4							66	1	67
Toronto*.....	98	7	105							5,030	474	5,504
Walkerton.....	2		2							40	4	44
Welland.....	7	1	8							443	21	464
Whitby.....	8		8							431	19	450
Windsor.....	35	1	36							808	42	850
Woodstock.....	2		2							86	3	89
DISTRICT GAOLS												
Bracebridge.....										57	2	59
Fort Frances.....										88	1	89
Gore Bay.....										25		25
Haileybury.....	13		13							344	26	370
Kenora.....	2		2							227	12	239
North Bay.....	8		8							335	36	371
Parry Sound.....	1		1							290	19	309
Port Arthur.....	17		17							733	106	839
Sault Ste. Marie.....	7		7							178	32	210
Sudbury.....	8		8							488	18	506
Totals.....	343	13	356							17,103	1,448	18,551

\*City Gaols.

TABLE  
Cell Accommodation; Days Stay; Greatest, Least and Average Number of

CITY and COUNTY GAOLS	Male accommodation	Female accommodation	Greatest number of Male and Female prisoners during year	Greatest No. of Male prisoners during year	Greatest No. of Female prisoners during year	Least number of Male and Female prisoners during year	Least number of Male prisoners during year	Least number of Female prisoners during year	Average daily gaol population
Barrie.....	24	8	41	35	8	12	11		23.9
Belleville.....	18	6	33	32	8	9	7	1	21.6
Brampton.....	24	8	9	12	1				4.3
Brantford.....	24	8	27	27	4	10	7		16.3
Brockville.....	24	4	24	24	8	3	3		12.5
Cayuga.....	8	4	14	13	2		1	1	4.8
Chatham.....	35	6	31	28	5	6	6		17.2
Cobourg.....	22	6	21	19	3	4	3		10.2
Cornwall.....	18	4	27	26	3	8	7		16.2
Goderich.....	9	3	11	11	1				3.6
Guelph.....	28	6	19	19	4	8	7		12.9
Hamilton*.....	85	13	109	107	14	51	47	1	77.7
Kingston.....	31	15	37	35	5	9	7		21.3
Kitchener.....	45	5	27	24	7	7	6		16.3
Lindsay.....	30	6	8	8	1				3.9
London.....	72	9	64	53	11	15	14	1	36.6
L'Orignal.....	18	6	18	17	2	2	2		9.3
Milton.....	17	6	13	12	1	5	2		5.9
Napanee.....	19	5	11	9	2				3.9
Orangeville.....	18	5	8	8					1.2
Ottawa.....	114	24	87	83	23	38	30	2	58.3
Owen Sound.....	34	3	11	12	2	3	1		5.8
Pembroke.....	24	8	22	18	8	5	3	1	10.4
Perth.....	18	6	10	10	1				5.4
Peterboro.....	18	6	29	24	3	8	7		14.3
Pictou.....	18	6	4	4	3				1.1
St. Catharines.....	35	8	29	39	2	19	7		20.8
St. Thomas.....	13	4	20	18	2	1	1		7.8
Sarnia.....	31	6	43	42	4	5	5		17.2
Simcoe.....	19	5	28	27	2				6.7
Stratford.....	23	4	12	11	1				5.2
Toronto*.....	248	39	282	254	29	144	122	10	231.6
Walkerton.....	28	4	11	11	2				3.8
Welland.....	54	9	45	45	4	15	15		28.2
Whitby.....	23	6	32	34	3	9	7		18.9
Windsor.....	81	30	92	87	16	39	39		66.5
Woodstock.....	24	5	12	12	2	2			4.9
DISTRICT GAOLS									
Bracebridge.....	8	2	7	8	2	7	1	1	2.9
Fort Frances.....	20	4	12	12	2	4	1		5.5
Gore Bay.....	9	2	8	8					2.2
Haileybury.....	27	3	64	60	9	29	26		40.6
Kenora.....	20	6	37	37	5	9	9		19.1
North Bay.....	50	9	45	42	9	14	11	1	26.3
Parry Sound.....	20	2	19	16	3	4	3		10.5
Port Arthur.....	64	9	107	95	19	40	31	3	71.1
Sault Ste. Marie.....	20	3	42	42	11	16	12		27.2
Sudbury.....	59	10	54	50	7	20	18	1	37.8
Totals.....									

\*City Gaols.

No. 7

Prisoners for the Year Ending March 31, 1943.

CITY and COUNTY GAOLS	Number committed during year	Number paid for by province	Number paid for by municipality	Number of days stay of government prisoners	Number of days stay of municipality prisoners	Total number of days stay of all prisoners
Barrie.....	472	190	282	4,631	4,090	8,721
Belleville.....	427	55	372	2,097	5,790	7,887
Brampton.....	126	39	87	706	857	1,563
Brantford.....	325	68	257	1,998	3,940	5,938
Brockville.....	284	115	169	1,622	2,932	4,554
Cayuga.....	122	27	95	744	1,021	1,765
Chatham.....	330	95	235	1,422	4,844	6,266
Cobourg.....	254	77	177	1,891	1,841	3,732
Cornwall.....	282	128	154	2,072	3,827	5,899
Goderich.....	56	37	19	1,114	209	1,323
Guelph.....	256	42	214	913	3,803	4,716
Hamilton*.....	1,755	366	1,389	6,611	21,758	28,369
Kingston.....	418	132	286	2,261	5,497	7,758
Kitchener.....	330	89	241	2,531	3,429	5,960
Lindsay.....	83	33	50	569	513	1,082
London.....	992	181	811	3,227	10,137	13,364
L'Orignal.....	183	107	76	2,202	1,177	3,379
Milton.....	121	48	73	1,439	708	2,147
Napanee.....	89	25	64	776	635	1,411
Orangeville.....	29	8	21	208	216	424
Ottawa.....	1,358	366	992	7,780	13,485	21,265
Owen Sound.....	148	38	110	1,103	1,011	2,114
Pembroke.....	234	24	210	649	3,143	3,792
Perth.....	103	18	85	456	1,502	1,958
Peterboro.....	269	37	232	1,108	4,128	5,236
Picton.....	54	4	50	92	310	402
St. Catharines.....	336	50	286	1,223	6,377	7,600
St. Thomas.....	221	35	186	579	2,262	2,841
Sarnia.....	466	82	384	1,384	4,876	6,260
Simcoe.....	264	38	226	765	1,687	2,452
Stratford.....	89	27	62	898	1,009	1,907
Toronto*.....	8,294	897	7,397	19,922	64,619	84,541
Walkerton.....	76	49	27	1,142	254	1,396
Welland.....	612	127	485	2,769	7,538	10,307
Whitby.....	531	132	399	2,703	4,181	6,884
Windsor.....	1,050	258	792	6,870	17,405	24,275
Woodstock.....	114	14	100	327	1,451	1,778
DISTRICT GAOLS						
Bracebridge.....	67	67	.....	1,062	.....	1,062
Fort Frances.....	124	124	.....	2,005	.....	2,005
Gore Bay.....	34	34	.....	817	.....	817
Haileybury.....	434	434	.....	14,811	.....	14,811
Kenora.....	299	299	.....	6,966	.....	6,966
North Bay.....	475	447	28	9,496	91	9,587
Parry Sound.....	373	373	.....	3,832	.....	3,832
Port Arthur.....	954	195	759	7,146	18,806	25,952
Sault Ste. Marie.....	409	409	.....	9,938	.....	9,938
Sudbury.....	1,089	1,089	.....	13,780	.....	13,780
Totals.....	25,411	7,529	17,882	158,657	231,359	390,016

\*City Gaols.

TABLE No. 8  
Maintenance and Average Cost of Each Prisoner and Total Cost for Year  
in City, County and District Gaols.

CITY and COUNTY GAOLS	Cost of food	Cost of clothing, fuel and ordinary maintenance	Cost of officers' salaries	Cost of alterations, additions and repairs to buildings	Total expenditure for maintenance for the year	Average cost of each prisoner per day	Average cost per day for clothing, fuel and ordinary maintenance	Daily per capita dietary cost
Barrie.....	\$ 1,638.68	\$ 2,248.84	\$ 5,710.50	\$ 1,161.03	\$ 10,759.05	\$ 1.23	\$ .2579	\$ .1879
Belleville.....	1,306.72	3,304.71	3,597.50	270.00	8,478.93	1.08	.4190	.1657
Brampton.....	464.55	1,055.34	2,565.93	1,205.31	5,291.13	3.39	.6752	.2972
Brantford.....	1,098.62	1,423.07	7,007.80	379.00	9,908.49	1.67	.2397	.1850
Brockville.....	746.81	572.10	4,126.40	132.07	5,577.38	1.22	.1256	.1640
Cayuga.....	348.40	393.18	2,902.50	41.20	3,685.28	2.09	.2276	.1974
Chatham.....	1,057.35	2,101.55	6,705.02	609.76	10,473.68	1.67	.3354	.1687
Cobourg.....	691.66	1,779.59	3,034.70	223.25	5,729.20	1.64	.4768	.1853
Cornwall.....	950.43	2,879.13	6,713.08	388.78	10,931.42	1.85	.4881	.1611
Goderich.....	220.10	654.34	2,767.25	387.68	4,029.37	3.05	.4946	.1664
Guelph.....	709.58	1,040.58	4,670.38	.....	6,420.54	1.36	.2206	.1505
Hamilton*.....	6,296.50	3,226.00	24,967.57	1,033.00	35,523.07	1.26	.1137	.2220
Kingston.....	1,420.84	1,681.46	5,014.00	.....	8,116.30	1.05	.2167	.1831
Kitchener.....	986.73	2,090.32	5,587.00	.....	8,664.05	1.45	.3607	.1657
Lindsay.....	153.43	500.33	3,305.00	153.30	4,112.06	3.80	.4624	.1418
London.....	3,150.79	3,338.16	14,069.06	.....	20,558.01	1.54	.2498	.2358
L'Orignal.....	625.04	1,337.95	2,969.34	121.64	5,053.97	1.50	.3960	.1850
Milton.....	459.81	917.46	2,591.85	249.57	4,218.69	1.96	.4273	.2142
Napanee.....	248.69	747.51	2,617.10	254.22	3,867.52	2.74	.5298	.1763
Orangeville.....	71.20	641.23	2,802.50	69.75	3,584.68	8.46	1.5123	.1679
Ottawa.....	3,999.66	14,188.86	18,616.21	4,526.55	41,331.28	1.94	.6672	.1880
Owen Sound.....	413.66	979.55	2,839.00	112.00	4,344.21	2.05	.4634	.1957
Pembroke.....	788.21	676.00	3,452.16	.....	4,916.37	1.30	.1783	.2078
Perth.....	384.06	1,868.06	3,128.89	460.54	5,841.55	2.98	.9540	.1961
Peterboro.....	1,056.85	1,935.64	4,289.00	202.12	7,483.61	1.43	.3697	.2018
Pictou.....	73.69	796.56	1,635.19	.....	2,505.44	6.23	1.9811	.1833
St. Catharines.....	1,552.24	1,988.53	5,293.11	268.45	9,102.33	1.20	.2616	.2042
St. Thomas.....	504.25	1,108.82	4,385.27	146.50	6,144.84	2.16	.3903	.1775
Sarnia.....	1,269.14	1,374.44	4,542.07	580.03	7,765.68	1.24	.2195	.2027
Simcoe.....	368.96	1,205.30	3,017.60	51.80	4,643.66	1.89	.4915	.1504
Stratford.....	269.57	1,357.82	2,865.96	385.92	4,879.27	2.56	.7120	.1414
Toronto*.....	15,060.68	13,127.36	75,029.26	637.89	103,855.19	1.23	.1553	.1781
Walkerton.....	242.60	65.85	2,778.60	.....	3,087.05	2.21	.0472	.1738
Welland.....	2,409.66	2,181.74	6,121.06	204.50	10,916.96	1.06	.2117	.2338
Whitby.....	1,278.00	2,982.34	4,634.14	599.51	9,493.99	1.38	.4332	.1856
Windsor.....	4,996.04	5,732.71	15,984.14	1,279.45	27,992.34	1.15	.2362	.2058
Woodstock.....	238.88	2,228.20	3,304.00	350.82	6,121.90	3.44	1.2532	.1344
DISTRICT GAOLS								
Bracebridge.....	196.38	254.81	3,306.36	61.30	3,818.85	3.59	.2399	.1849
Fort Frances.....	332.07	345.93	7,566.01	14.75	8,258.76	4.12	.1725	.1656
Gore Bay.....	172.50	664.76	2,310.38	11.00	3,158.64	3.87	.8137	.2111
Haileybury.....	2,451.04	2,667.34	13,755.61	.....	18,873.99	1.27	.1800	.1655
Kenora.....	1,485.03	1,749.54	9,284.59	57.69	12,576.85	1.81	.2512	.2132
North Bay.....	2,294.78	3,400.59	13,173.68	.....	18,869.05	1.97	.3547	.2394
Parry Sound.....	702.49	497.01	5,137.32	25.00	6,361.82	1.66	.1297	.1833
Port Arthur.....	6,243.08	6,354.92	19,394.56	.....	31,992.56	1.23	.2449	.2405
Sault Ste. Marie.....	1,780.94	3,311.72	7,807.71	46.13	12,946.50	1.30	.3332	.1792
Sudbury.....	2,824.11	7,666.21	12,150.67	.....	22,640.99	1.64	.5563	.2049
Totals.....	76,034.50	112,643.46	369,527.03	16,701.51	574,906.50	1.47	.2888	.1950

\*City Gaols.



**REPORT**  
OF THE  
**MINISTER OF PUBLIC  
WELFARE**

**PROVINCE OF ONTARIO**

**FOR THE FISCAL YEAR**

**1942 - 1943**

**PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
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**ONTARIO**

**TORONTO**

**Printed and Published by T. E. Bowman,  
Printer to the King's Most Excellent Majesty**

**1944**



TO THE HONOURABLE ALBERT MATTHEWS,  
*Lieutenant-Governor of the Province of Ontario,*  
*in Council.*

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit herewith the Twelfth Annual Report of the Department of Public Welfare, for the fiscal year 1942-43.

I have the honour to be, sir,

Your obedient servant,

R. P. VIVIAN, M.D.,

*Minister*

Toronto,  
March 29, 1944

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## REPORT OF THE DEPUTY MINISTER

TO THE HONOURABLE R. P. VIVIAN, M.D.,

*Minister of Public Welfare*

I beg to submit herewith a report covering the activities of the Department of Public Welfare for the fiscal year commencing April 1, 1942, and ending March 31, 1943.

During the year the number of persons in receipt of public assistance was reduced to a lower level than that attained in the previous year, while those branches of the Department offering other service than that of direct assistance show marked increases in their activity.

The specific reductions are shown in the number of persons in receipt of Unemployment Relief, Mothers' Allowances and Old Age Pensions, while definite increases are shown in the activities having to do with child welfare.

Unemployment Relief is now only granted to those persons who are unemployable. A number of persons who had been in receipt of assistance have been placed in selective employment by the extensive efforts conducted through the Department, tending to rehabilitation. Considerable discretion had to be exercised in deciding the type of employment provided, with due consideration being given to physical disabilities which might be hazardous, either to the individual or to others, and also to the ability to carry out work to the satisfaction of the employer. The administrative staff of the Unemployment Relief Branch has had a widespread contact with employers and has obtained considerable assistance in placing marginal cases who are, as a result, in a position to maintain employment of a permanent nature.

The major reasons for present and continuing relief assistance are age, chronic illness, misfortune and the necessity for mothers to maintain a home for young children. For the most part, the present very much reduced relief load is the marginal residue of public assistance cases that will not fit adequately into any designated category.

During the year the Old Age Pensions Commission granted awards to 5,580 new pensioners. This represents a decrease of 1,290 from the year April 1, 1941, to March 31, 1942. Reinstatements in 1942-43 were 1,070, as compared with 945 for the year 1941-42. The number of new pensioners plus reinstatements, therefore, was 1,165 less for the year 1942-43 than for 1941-42.

As at the end of March, 1943, 57,692 persons were in receipt of Old Age Pensions. Thirty-five less Blind Pensions were granted in the year 1942-43 than in the previous year. The total number of persons receiving Blind Pensions as of March, 1943, was 1,502, making a total for Old Age and Blind Pensions of 59,194.

Mothers' Allowance applications showed a reduction for the year, as compared with the previous year; 2,010 applications were received for the year 1941-42, as compared with 1,467 for the year 1942-43. During the year there were 125 renewals granted, 1,412 reinstatements, 480 ineligible, 260 renewals refused, 3,400 cancelled and suspended, 1,061 continued, 1,177 increased, 2,896 reduced. As of March 31, 1943, there were 7,982 Mothers' Allowance beneficiaries on the roll, compared with 10,086 as of March 31,

1942, or a decrease of 2,104. The total number of children benefiting under the Act as of March 31, 1943, was 16,535.

The opportunities for employment are quite evident, not only in the number of applications being received for Mothers' Allowance, but also the better financial position of beneficiaries. These employment opportunities are open to the mothers and older children, and the general level of income in the homes of Mothers' Allowance beneficiaries was considerably improved during the year.

The challenge to the investigation staff to meet the requirements of clearing all new applications for Mothers' Allowance and Old Age Pension, plus the necessary follow-up, inevitably creates a considerable problem. Case-loads are high, and efforts have been made during the year to readjust the areas and reduce the number of cases each individual investigator is required to carry.

In the field of child welfare, the Children's Aid Branch, together with the local Children's Aid Societies, has found increased demands for service. The number of cases referred to the Societies for protective service has increased 31 per cent, while the number of children involved—16,712—is an increase of 96 per cent over the previous year. The actual number of children in care has increased 8 per cent, while the number of unmarried parents' cases has increased only 4 per cent. The services for British children, the Dependents' Allowance Board, the Dependents' Board of Trustees and Dominion-Provincial Wartime Day Care continue to add additional responsibilities over and above the regular duties of the Societies.

The Soldiers' Aid Commission, which has assisted ex-service men and their dependents continuously since the first great war, is now finding an increasing number of requests, particularly in the field of emergency assistance. While every effort is made by the Commission to maintain a constant liaison with other organizations, it is finding that ex-service men from the second great war are appealing to it for temporary financial assistance and advice in increasing numbers.

The Houses of Refuge and Children's Institutions are filled almost to over-capacity. Many of these institutions are older buildings. There is a constant question as to the fire hazard in such buildings, and through the inspection services every effort has been made to encourage the Boards of the various institutions to take every precaution in order to reduce to the minimum the possibility of the serious fire hazard. It is noted that some Homes for the Aged and Houses of Refuge have a considerable number of residents who fall into the category of incurables. Every effort is being made to have this number reduced as much as possible. Many institutions are anticipating the erection of additions or undertaking extensive remodeling operations. Some have secured necessary priorities and are building at the present time.

All of which is respectfully submitted.

B. W. HEISE,

*Deputy Minister*

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# PART I

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## REPORT OF THE UNEMPLOYMENT RELIEF BRANCH

**Fiscal Year, 1942-43**

Rendering of aid to recipients of a more permanent type, together with decline in numbers, features relief administration during the fiscal year 1942-43. The major reasons for those qualifying for relief are age, chronic illness, misfortune and homemaking duties. Continuance of relief is required for needy persons who are unable to qualify otherwise for various types of special assistance.

The contraction of relief numbers was mainly caused by availability of selective employment for marginally employable persons. These marginal cases were previously handicapped in obtaining suitable employment when a surplus of labour proved to be an obstacle. There is indisputable evidence to show that a period of full employment permits a substantial number of persons to procure employment, who under "normal" conditions would be required to depend on public assistance.

Those persons currently in receipt of relief would largely appear destined never to be self-supporting. However, while the "head of the family" is not in a position to accept gainful employment, very often other members of the family are employed and contribute to common household expenses, and such income has been a factor in reducing the necessity for public assistance.

The survey of cases receiving direct relief in Ontario during the month of February, 1943, is included in this report and indicates the major reasons relief is necessary, in addition to other characteristics of the case-load. It was considered advisable to determine the nature of cases on aid at a period when the national income had soared to unprecedented heights, with manpower decidedly lacking. The results set out will prove of interest.

Gross expenditures for the fiscal year ending March 31, 1943, were substantially below the comparable previous year with the amount of decrease being \$1,273,729 or 30.9 per cent. Expenditures for the fiscal year under review in relation to 1939-40 (including period approximately six months prior to commencement of war and six months following) were \$2,846,711 and \$19,563,648 respectively.

Commencing April 1, 1942, the Province contributed 50 per cent toward relief expenditures, with the municipalities absorbing the balance. Provincial share of expenditures during the previous fiscal year equalled 75 per cent, and the municipalities 25 per cent, as the Dominion Government withdrew contribution toward cost of relief at the conclusion of fiscal year 1941.

Comparative expenditures are shown in Table I, together with amounts contributed by the authorities concerned.

**TABLE I**  
**DIRECT RELIEF EXPENDITURES AND PERCENTAGE OF CONTRIBUTION**  
**BY FISCAL YEAR**

	1942-43		1941-42		1939-40	
Province	\$1,181,880	52.06%	\$3,136,699	76.13%	\$8,467,108	43.28%
Dominion					7,441,274	38.04
Municipalities	1,364,831	47.94	983,741	23.87	3,655,356	18.68
	<u>\$2,846,711</u>		<u>\$4,120,440</u>		<u>\$19,563,648</u>	

The gross monthly expenditures for comparable fiscal years, set out in previous table, is shown in Appendix I. These costs indicate little change month by month and are possibly more consistent than at any period since commencement of governmental participation in relief expenditures.

The administration of relief in unorganized areas of the judicial districts is a Provincial Government responsibility and for the year under review expenditures amounted to \$118,280. The expenditures involved are included in Table I.

During the course of the twelve-month period, 681 municipalities submitted accounts from a total of 903. It will be readily recognized, relief was virtually non-existent in one third of the municipalities for the protracted period of a year. An additional number of municipalities granted aid only during occasional months of the year, with many claiming for inconsequential amounts. Five hundred and thirteen municipalities submitted accounts for the month of March, 1943, or just above half of the total municipalities in the Province, while, during the preceding March, 583 municipalities rendered accounts.

The major proportion of the relief load, as in depression years, is concentrated in the urban areas. Severity of the depression is reflected to some extent, with the numbers relatively higher today in those municipalities having the larger percentage of population in receipt of relief during the depression years. The municipalities weathering the depression period most successfully were located in rural areas, and municipalities not rendering accounts during the year under review were of rural complexion. Only in northern Ontario were there rural municipalities showing a comparable trend to urban areas, and this is not unexpected considering the few years of settlement of many homesteaders, and other factors causing difficulty in obtaining income.

The twenty-seven cities of Ontario, although comprising approximately 46 per cent of Provincial population, were responsible in March, 1943, for 69 per cent of gross expenditures and 59 per cent of relief numbers. By adding certain other urban municipalities, 80 per cent of expenditures are accounted for in municipalities equalling little better than half of the population of the Province. The distribution of expenditures, numbers and population of municipal divisions for March, 1943, is shown in Table II, while Table III indicates for the same month the percentage of population and number of accounts rendered.

**TABLE II**  
**DISTRIBUTION OF RELIEF EXPENDITURES AND NUMBERS ACCORDING**  
**TO MUNICIPAL DIVISIONS, MARCH, 1943**

Province.....	TOTAL EXPEN- DITURES	TOTAL NUMBERS	TOTAL POPULA- TION	PERCENT. OF TOTAL EXPEND.	PERCENT. OF TOTAL Nos.	PERCENT. OF TOTAL POP.
Province.....	*\$299,706	18,959	†3,660,969	100%	100%	100%
Counties (43).....	197,308	15,254	3,177,323	85.9	80.5	86.8
Districts (11).....	32,398	3,705	483,646	14.1	19.5	13.2
Cities.....	158,227	11,185	1,682,970	68.9	59.0	46.0
Towns and Villages..	29,658	2,803	657,315	12.9	14.8	18.0
Townships.....	32,664	3,618	1,204,903	14.2	19.1	32.9
Unorganized Areas..	9,157	1,353	115,781	4.0	7.1	3.1

\*An adjustment of \$147.00 is not included.

†Estimated population, 1942.

**TABLE III**  
**PERCENTAGE OF POPULATION RECEIVING RELIEF AND NUMBER OF**  
**MUNICIPALITIES SUBMITTING ACCOUNTS, MARCH, 1943**

MUNICIPAL DIVISIONS	PERCENT. OF POPULATION ON RELIEF	NO. OF ONTARIO MUNICIPALI- TIES	NO. OF MUNICIPAL'S SUBMITTING ACCOUNTS	PERCENT. OF MUNICIPAL'S SUBMITTING ACCOUNTS
Province.....	.52%	903	513	56.8%
Counties.....	.48	700	390	55.9
Districts.....	.77	203	123	60.6
Cities.....	.66	27	27	100.0
Towns and Villages.....	.43	305	177	58.0
Townships.....	.30	571	309	54.1
Unorganized Areas .....	1.17	.....	.....	.....

Wartime activity has created employment for more recipients of relief than was considered possible with evidence as to further decrease of unemployment uncertain. Enlargement of the rolls is sure, however, when easing of employment takes place and marginal cases require assistance. The marked change in numbers obtaining relief is set out in Table IV.

It is worthy of note that persons classified as "single" comprise 60 per cent of the case-load. In other words only four families out of each ten cases obtained aid in March 1943. This is a reversal of conditions during the heavier relief years and emphasizes the problem faced by elderly persons, particularly females.

The size of the family unit has decreased to 3.3 members per family, March 1943, as compared to 4.2 members per family, for March 1939. Children in receipt of relief number only one third of the total, and approximately 1,000 of the 6,769 children are 16 years of age or over. The comparative numbers shown in Table IV point to a case-load unable to support themselves and their families, although some of these cases received assistance where income is supplemented by relief.

**TABLE IV**  
**COMPARATIVE CASE-LOAD AND PERSONS IN RECEIPT OF RELIEF**  
**MARCH, 1943, 1942 AND 1939**

	TOTAL CASES	TOTAL PERSONS	TOTAL HEADS OF FAMILIES	TOTAL SINGLE PERSONS	PERCENT. OF SINGLE PERSONS TO TOTAL CASES	PERCENT. OF POPU- LATION ON RELIEF
March, 1939	87,571	313,359	69,663	17,908	20.4%	8.80%
March, 1942	15,011	32,714	7,243	7,773	51.8	0.89
March, 1943	9,871	18,959	3,963	5,908	59.9	0.52
Percentage of Decrease— Mar., 1943 under 1939.	88.7%	94.0%	94.3%	67.0%	.....	.....
Percentage of Decrease— Mar., 1943 under 1942.	34.2	42.0	45.3	24.0	.....	.....

A number of recipients in a position to accept selective employment, but unable to make necessary contacts with employers, were placed by administration staffs. The majority of Relief Administrators have widespread contact with employers and, with their knowledge of recipients' capacities to maintain certain types of employment, the necessary steps were taken to bring these recipients to the attention of employers. Discretion was used in type of employment provided, with consideration being given both to physical disabilities, which might be hazardous to themselves or others, and ability to carry out work to the satisfaction of the employer.

The measures undertaken, directed toward placement of marginal cases, have been effective and beneficial for all concerned with many of the placements now in a position to maintain employment of a permanent nature.

Intimation was given previously in this report of the survey of relief cases in receipt of aid during the month of February, with the primary purpose in mind of determining reasons assistance is required. The information garnered during the present exceptional conditions has been tabulated and included as appendices to this report, under the following headings:

- Appendix III —Marital Status of Relief Load.
- IV —Number of Relief Cases According to Size of Family.
- V —Age Distribution of Heads of Families and Single Individuals in Receipt of Relief.
- VI —Reasons Assistance Being Rendered into Home.
- VII —Major Health Reasons, According to Age, in Percentages.
- VIII—Public Assistance into Home, Additional to Direct Relief.
- IX —Total Persons 70 Years of Age and Over, and Reasons Old Age Pension Not Granted.

This opportunity is taken to thank those persons concerned with administration of relief.

JAS. S. BAND,

*Assistant Director,  
Unemployment Relief Branch*

## REPORT OF THE OLD AGE PENSIONS COMMISSION

April 1, 1942, to March 31, 1943

During the period under review, the Old Age Pensions Commission granted awards to 5,580 new pensioners, a decrease of 1,290 from the year April 1, 1941, to March 31, 1942. Reinstatements in 1941-42 totalled 945 as compared with 1,070 in 1942-43. A decrease of 1,165 new grants and reinstatements for the year 1942-43 over the previous year.

Grants to Blind Pensioners showed a decrease of 35 over the previous year. Total number receiving the Blind Pension as of March 31, 1942, was 1,506, and of March 31, 1943, 1,502.

It is urged that all applicants for the Old Age Pension and Pension for the Blind make application to the Clerk of the Municipality in which they live, or the Secretary of the Local Pension Board. The qualifications for both the aged and the blind are practically the same, except that the blind pensioner must be forty years of age and certified as being "so blind as to be unable to perform any work for which eyesight is essential."

After applications have been dealt with by the Local Boards, they are forwarded to the Provincial Commission, who then refer all cases to the Staff of Provincial Investigators, requesting a report on each individual case. In addition to the reports on new applications, an Annual Report is required on all other cases. As a result of our investigations, we are obliged to review each case, and in many cases it is necessary, on account of the facts revealed, to cancel, reduce or increase a pension. In all cases where an appeal against a decision is made to the Commission, the case is reinvestigated and careful reconsideration is given.

The agreement made between the Ontario Medical Association and the Department of Welfare for medical assistance to the old age pensioners and blind pensioners has been accepted with marked gratitude by the pensioners, and with general satisfaction by the medical profession.

We wish to express our sincere appreciation to all municipal authorities, various societies and clubs, as well as all others, for their kind assistance in the administration of the Old Age Pensions Act.

J. A. FAULKNER,  
*Chairman*

C. H. GREEN,  
*Vice-Chairman*

## REPORT OF THE MOTHERS' ALLOWANCES COMMISSION

April 1, 1942, to March 31, 1943

The Mothers' Allowances Commission is pleased to submit herewith the Annual Report for the year 1942-43:

The work of the Mothers' Allowances Commission requires continued vigilance in a changing picture of social conditions.

During the year under review, 1,467 applications were received, and 748 were found acceptable and granted an allowance. The previous year, there were 2,010 applications and 1,149 accepted. During the present year, 125 renewals were granted; 419 reinstated; 480 ineligible and deferred; 260 renewals refused; 3,400 cancelled and suspended; 1,061 continued; 1,177 increased; 2,896 reduced, making a total of 10,566 cases considered, as compared with 9,657 for the year 1941-42.

Out of a total of 3,400 cancelled or suspended, only 196 were for cause. Where conditions are unsatisfactory, cases are referred to the Children's Aid Society.

Employment has given many opportunities to mothers and children, as a result of which many cases have been either cancelled or the grant reduced. Marriage, and qualifying children becoming sixteen years of age, accounts for many cancellations.

As of March 31, 1942, we had 10,086 on the pay list, and on March 31, 1943, we had 7,982—a decrease during the fiscal year of 2,104. The number of children benefiting under the Act as of March 31, 1943, was 16,535.

During the year, 2,831 beneficiaries with 4,397 children were on the pay list for part of the year, but later cancelled. The grand total shows 10,813 mothers assisted and 20,932 children benefited.

It is of interest to note that of the total of incapacitated husbands, amounting to 2,588, there were 649 cases of tuberculosis.

The Commission wishes to express its grateful appreciation to all who have given their kind co-operation in the administration of the Mothers' Allowances Act.

J. A. FAULKNER,  
*Chairman*

H. BENTLEY,  
*Vice-Chairman*

E. V. McKECHNIE,  
*Commissioner*

## REPORT OF THE CHILDREN'S AID BRANCH

### REPORT OF THE CHILD WELFARE DIVISION

April 1, 1942, to March 31, 1943

Never, perhaps, since their inception have the Children's Aid Societies of Ontario worked under more pressure than during the past year.

#### *Protection Work*

There was an all-time high in the number of cases of child neglect reported to the Societies: an increase of 2,074 cases (31%) involving 16,712 (96%) more children, and resulting in 37,341 (56%) more visits and 862 (13%) more attendances at Court; temporary wardships were up by 320 cases (34%).

It is believed that the main factor responsible for this increase in child neglect is the temporary break-up of home life, occasioned by the absence of the father in the Armed Forces and, in many cases, of the mother working in essential industries. It is interesting to note, however, that despite the much talked-of prevalence of juvenile delinquency, 237 (16%) fewer cases of juvenile delinquency were called to the attention of the Children's Aid Societies this year.

#### *Children in Care*

Here again an increase appears, there being 884 (8%) more children in care at the end of the year than at the beginning. One problem common to practically all Societies, which is an outgrowth of war conditions, is the serious scarcity of boarding homes due to the housing shortage created by the concentration of population in urban and military centres. It is interesting to note that the number of children in free homes remains practically the same.

#### *Adoptions*

The increase of 337 (25%) in adoptions is attributable, in part, to the desire of men in the Armed Services to have pending adoptions within their family circle completed before they proceed overseas.

#### *Children of Unmarried Parents*

Current rumours of the alarming increase in illegitimacy are not borne out by Children's Aid Branch statistics, which show only 118 (4%) more cases than in the preceding year. Collections from putative fathers for children's maintenance are still on the increase, being \$133,241.96 this year, as against \$120,120.05 last.

#### *War Services*

*British Child Guests:* The mere fact that with the passage of time there is a higher percentage of older children, has occasioned a new set of problems to be faced, necessitating a vast amount of consultation and correspondence. Two decisions which constantly recur have to do with (1) whether the child may return to Great Britain, and (2) what academic or occupational plan is to be made for the boy or girl upon completion of public or high school.

*Dependents' Allowance Board:* Some idea of the extent of the service rendered here can be gathered from the fact that 13,887 visits were made during the year in this connection; 3,261 merely involving investigation regarding eligibility for allowances; 3,205 having to do with the administration of allowances, and 7,421 concerned with the needed supervision of the home. In addition, there were 7,422 office interviews.

*Dependents' Board of Trustees:* This service, too, has assumed major proportions; 5,673 cases (new and reopened) have been referred during the year, necessitating 7,881 visits and 3,525 office interviews. However, most Societies have welcomed the opportunity of being able to participate in the alleviation of financial pressure in soldiers' families in time of real emergency. Investigations concerning the desirability of Compassionate Leave arose in 145 cases, necessitating 200 visits.

*Dominion-Provincial Wartime Day Care:* By an agreement between the Dominion and Provincial Governments signed on July 1, 1942, a Wartime Day Care program was inaugurated to provide supervision for the children of women employed in essential industry. Cost is shared by the two Governments; organization is carried out through local committees and municipal Boards of Education.

Plans for ten Wartime Day Nurseries in seven municipalities have been approved, allowing an accommodation of 420 children. Seven of these are in operation, including a Provincial demonstration and training centre. Thirty-four students are at present in training.

The Day Nursery program provides twelve hours' supervision, including two meals for five days a week. The parents contribute from 35 to 50 cents a day toward the cost of this care. Through the Day Nursery health program, directed by the Public Health Departments, 155 pre-school children have already received complete examination and commenced vaccination and toxoids.

Five Day Care centres, accommodating 470 school children, have been established in public schools. Estimates are under consideration for ten others to accommodate 860 children. School Day Care provides a hot dinner and out-of-school supervision throughout the day. The parent pays 25 cents a day toward this service.

### *Finance*

Children's Aid expenditures, following the general upward trend, showed an increase for the year of \$210,497.05. On the other hand, maintenance from parents increased by \$79,419.13, and private donations, interest and sundries brought in an additional \$23,881.60 over last year; these two items together offsetting practically half of the increased expenditures. The total receipts from all sources for the year were \$1,928,766.06.

### *Conclusion*

Measured in terms of stress and strain on the individual workers, it has been a most difficult year; measured in terms of service to the community, it has probably been second to none in the history of the Societies.



## CHILDREN'S AID SOCIETIES

## ONTARIO

Algoma.....	W. H. Bury.....	Sault Ste. Marie
Brant.....	J. P. Temple.....	Brantford
Bruce.....	D. W. Cameron.....	Walkerton
Cochrane.....	A. G. Carson.....	Timmins
Dufferin.....	Mrs. I. MacDonald.....	Orangeville
Elgin.....	J. H. Dawson.....	St. Thomas
Fort William.....	Frank Blain.....	Fort William
Frontenac.....	Miss Veronica Franck.....	Kingston
Grey.....	J. D. Adamson.....	Owen Sound
Haldimand.....	C. R. Bilger.....	Dunnville
Halton and Peel.....	G. F. Thompson.....	Milton
Hamilton.....	B. Beaumont, 47 King St. E.....	Hamilton
Hastings.....	T. D. Ruston.....	Belleville
Huron.....	H. T. Edwards.....	Goderich
Kenora.....	Miss Florence Humble.....	Kenora
Kent.....	F. Appleyard.....	Chatham
Lambton.....	Miss V. McLean.....	Sarnia
Lanark.....	Miss Jessie MacPherson.....	Perth
Leeds and Grenville.....	C. A. Winters.....	Brockville
Lennox and Addington.....	W. F. Barrett.....	Napanee
Lincoln.....	L. S. Richardson.....	St. Catharines
London and Middlesex.....	F. Cristall, City Hall.....	London
Manitoulin.....	O. D. Cadotte.....	Silver Water
Muskoka.....	W. D. Forrest.....	Huntsville
Nipissing.....	Ernest Majury.....	North Bay
Norfolk.....	F. V. Miller.....	Simcoe
Northumberland and Durham.....	A. D. Finnie.....	Port Hope
Ontario.....	D. G. Stevenson.....	Oshawa
Ottawa and Carleton.....	Mrs. M. J. Henshaw, 633 Rideau St.....	Ottawa
Oxford.....	R. G. Clowes.....	Woodstock
Parry Sound.....	Walter Wood, Box 60.....	Parry Sound
Perth.....	Hugh Ferguson.....	Stratford
Peterborough.....	Miss R. A. D. Young.....	Peterborough
Port Arthur.....	Mrs. Agnes Brown, Court House.....	Port Arthur
Prescott and Russell.....	J. Lacasse.....	Wendover
Prince Edward.....	R. W. Hubbs.....	Pictou
Rainy River.....	Mrs. Florence Tibbetts.....	Fort Frances
Renfrew.....	J. C. Simpson.....	Renfrew
Simcoe.....	G. R. Foster.....	Barrie
Stormont, Dundas and Glengarry.....	Miss Marion Cabeldu.....	Cornwall
Sudbury.....	J. S. Davidson.....	Sudbury
Temiskaming.....	Mrs. Nora Fox.....	Kirkland Lake
Toronto.....	R. E. Mills, 32 Isabella St.....	Toronto
Victoria and Haliburton.....	Allan Blewett.....	Lindsay
Waterloo.....	K. D. Kaylor.....	Kitchener
Welland and Niagara Falls.....	Mrs. D. E. Young.....	Welland
Wellington.....	Miss B. Dauphinee.....	Guelph
Windsor and Essex (Prot.).....	F. R. Mills, 737 Louis Ave.....	Windsor
Windsor and Essex (R.C.).....	R. J. Bondy, 699 Tuscarora Ave.....	Windsor
Wentworth.....	C. M. Flatt, Court House.....	Hamilton
York.....	Mrs. J. S. Driscoll, 73 St. Claire Ave. E.....	Toronto

ONTARIO (Concl'd)

R.C. Children's Aid of St. Vincent  
 de Paul..... Miss Irene Allen (Act'g), 469 Sherbourne St.....Toronto  
 Provincial Superintendent..... B. W. Heise, Box 246B, Parliament  
 Buildings.....Toronto

January, 1944

CHILDREN'S INSTITUTIONS

April 1, 1942, to March 31, 1943

Thirty-nine Children's Institutions qualified under The Charitable Institutions Act in the year under review, thereby receiving the statutory Provincial grant of 5 cents or 10 cents per day, depending on age. The year began with a total of 2,308 children in residence and ended with 2,745.

The *per diem* cost ranged from 40 cents to \$2.19 and averaged 97 cents, with the year's expenditures totalling \$871,745.37, covering 899,093 days' care.

Staff shortage has been a serious problem for many institutions, also the location of satisfactory children's clothing in sufficient quantities.

On the whole the supervisors' reports on the above institutions showed conditions to be reasonably satisfactory, with recommendations in some cases, such as, that the children's lives would be enriched by broader recreational opportunities; more staff supervision during play periods, and normal school contacts as against classrooms within the institution.

B. W. HEISE,  
*Provincial Superintendent*

## REPORT ON REFUGES AND HOMES FOR THE AGED

January 1 to December 31, 1942

There are 269 more pensioners and 95 more women in the Refuges than in 1941. The tendency is for pensioners to show a preference for a Refuge or Home for the Aged.

All Refuges are filled to over-capacity, and many are anticipating additions as soon as conditions will warrant. Some Refuges have secured the necessary priorities and are building at the present time.

The possibility of fire in these institutions has been and is being given special consideration, and every available means for fire prevention is being recommended.

The total operating cost has continued to rise in all Refuges, and from 1935-42 the increase has been approximately 25 per cent.

It is to be hoped that the number of incurable residents in Refuges will continue to decrease and, because of this, make room for the many aged, now awaiting admission.

The Boards of Management, superintendents and matrons are doing excellent work, and this Department sincerely appreciates their continued considerate co-operation.

### STATISTICAL SUMMARY

January 1 to December 31, 1942

	NUMBER ADMITTED	NUMBER DISCHARGED	NUMBER DEATHS	TOTAL MALE	TOTAL FEMALE
County.....	603	314	286	1,948	1,045
City.....	3,194	2,832	371	2,939	3,795
District.....	60	28	23	183	44
	<u>3,857</u>	<u>3,174</u>	<u>680</u>	<u>5,070</u>	<u>4,884</u>

	AVERAGE RESIDENTS	TOTAL PENSIONERS	TOTAL NON- PENSIONERS	TOTAL FREE RESIDENTS	ALL RESIDENTS
County.....	2,346	809	2,184	1,960	2,993
City.....	3,427	1,917	4,817	2,251	6,734
District.....	171	71	156	136	227
	<u>5,944</u>	<u>2,797</u>	<u>7,157</u>	<u>4,347</u>	<u>9,954</u>

	TOTAL DAYS' STAY	AVERAGE DAYS' STAY	TOTAL COST	AVER. COST PER DIEM EACH RESID'T
County.....	856,453	286	\$ 613,599.41	\$ .73
City.....	1,253,839	188	1,260,990.76	1.23
District.....	62,532	276	54,669.22	.90
	<u>2,172,824</u>	<u>218</u>	<u>\$1,929,259.39</u>	<u>\$ .95</u>

S. L. CHARLTON,

*Inspector of Refuges*

## REPORT OF THE SUPERVISOR OF INVESTIGATORS FOR OLD AGE PENSIONS AND MOTHERS' ALLOWANCES

April 1, 1942, to March 31, 1943

The policy as set up in 1937 has changed but slightly. The investigation is still made in the home of the applicant after the application has been made to the Local Board. However, emphasis has been placed on the type of service rendered by the investigator to the individual who is the applicant or recipient of public assistance.

To make it possible for the investigator to give this type of service a plan to decrease the individual case-load was approved. A reorganization of districts is now under way, through which one new investigator will be appointed to give relief in each two districts in southern Ontario.

In 1937 fifty-six investigators were engaged in the field work of the Province, which was divided into thirty-three districts. The number has gradually increased since that date, and at the completion of the present reorganization ninety-five investigators will be engaged in the field work throughout the Province working from forty-six offices with four district supervisors in the field visiting the various districts periodically.

The district supervisors allocated over the Province have been of great assistance in solving the problems of the investigators in their respective districts and in keeping them apprised of changes introduced by the Commission from time to time. They have been of inestimable value in the training and supervising of new staff.

During the fiscal year under review the total number of Mothers' Allowances beneficiaries in the Province dropped from 10,086 to 7,982. The increased income from earnings is largely responsible for this decrease. Although the case-load has decreased for the individual investigator during this period, the work for the investigator has not decreased accordingly. Four calls each year on the recipients of Mothers' Allowances are now necessary, and it is expected that the investigator will soon be responsible for checking the school attendance of the fourteen-to-sixteen age group as required under the Adolescent School Act. During the year under review 1,467 applicants were interviewed in addition to calls made by special request from the Commission.

The case-load in Old Age Pensions and Blind Pensions has decreased from 60,738 to 59,194. While one call each year only is required by the Act, the total number of necessary calls reaches far beyond this figure. During the year 5,608 new applications were received and investigated. All documentary evidence as required by the Act must be furnished, and all information pertaining to property transactions, assets, income, proof of age and residence qualifications must be verified. Additional calls are also necessary in complying with requests from the Commission, such as requests for increase in pension, reinstatements and additional information.

In visiting Mothers' Allowances beneficiaries, the investigator is expected to have an understanding and sympathetic attitude toward her client and to be well informed as to the social resources available in the community. She must be prepared to advise the Mothers' Allowances beneficiary in all matters

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pertaining to the home and to suggest to her the resources available which would be of benefit to the children. Too much emphasis cannot be placed on the value of the resources available which offer assistance in child guidance.

In dealing with Old Age Pensioners the approach to the interview is vastly different while the method of investigation is similar. In Old Age Pension work the investigator must appreciate the difficulties inherent in old age and exert an abundance of tact and patience at all times. She must develop a personality free from prejudice and an understanding of the human values involved in welfare work.

The aim to render more satisfactory treatment to the recipients, and more efficient administration, has been materially enhanced through the addition of more investigators to the staff.

MARY M. POWELL,  
*Supervisor*

## REPORT OF THE SOLDIERS' AID COMMISSION

April 1, 1942, to March 31, 1943

### *Commission Membership*

No changes occurred in the membership of the Commission during the fiscal year, April 1, 1942, to March 31, 1943, now under review. It should be noted, however, that leave granted Commissioner Brigadier Rutherford, now on active service in Great Britain, has continued in force throughout the year, and to Commissioner Colonel J. A. Dewart on active service in western Canada.

### *Commission Meetings*

One general and two special meetings were held during the year, all members showing their usual interest.

### *Commission Staff*

No staff changes have occurred during the period. Prompt and efficient service has been rendered by all members.

### *Audit*

Following the end of the fiscal year, an audit of the books and accounts was performed by a representative of the Provincial Auditor's Department. All books and accounts were reported to be in order and to correctly reflect the operations and transactions of the Commission throughout the year. Financial statements will be found appended hereto.

### *Wards*

Services to wards in general are covered by a special statistical report appended hereto. It will be noted that during the year the number of wards requiring attention from the Commission has been decreased from twenty to nine. This reduction was due to the coming of age of eleven wards. Wards' welfare investigations and placements also showed a further decrease this year to forty-eight, compared to fifty for the previous year. Again this is due to decreasing number of wards and permanent establishment. We note with satisfaction that a substantial number of former wards of the Commission are now on active service in this war, either Overseas or in Canada.

### *Assistance and Advice to Veterans*

1. Emergency grants for the year number 1,062 as compared with 1,199 for the previous year. (No. 8 Account grants shown separately.)
2. General information and advice services rendered to ex-servicemen and dependents totalled 2,354 compared with 2,781 for the previous year.
3. Office interviews for this period were 2,580 as compared with 3,316 for the previous year.
4. Special information and advice re pension claims, War Veterans' Allowance procedure, etc., number 575 as compared with 655.

*Kathleen Hammond Estate*

The assistance from this fund to widows of veterans, widowed by the war, served 316 cases of emergency or special need during the past year as compared with 274 in the previous year. The corpus of this fund was subject to further increases during the year.

*Croft Estate*

Continues to show surplus of income over carrying charges. Prospects for vacant real estate in Yonge-Eglinton Avenue area steadily improving.

Following discussion with the Honourable the Minister, with respect to a long outstanding loan made to the Commission in 1924 to meet then current needs and secured by assets in the Croft Estate then consisting of real estate (building lots), it was decided that action should be taken to clear this matter, especially since Commission minutes of November 19, 1930, indicated that it had been the intention of the Government at that time to take necessary action, which through some oversight had not been given effect. Therefore the vote for Commission purposes for fiscal year under review was increased by the amount of \$22,191.62 (principal and accrued interest) which, when made available, was returned to the Government to clear this outstanding loan.

*Ex-Servicemen of the Second Great War*

Pursuant to authority granted by Sixth Session, Twentieth Legislature, Ontario, the Commission has rendered to ex-servicemen of the present Great War, and their dependents, services commensurate with their needs and comparable to those rendered ex-servicemen and dependents of the First Great War. In this connection, however, it should be noted that special trust funds (Kathleen Hammond, Scott, Croft and McNab Estates) administered by the Commission for ex-servicemen and dependents of the First Great War are not available for the benefit of ex-servicemen of the present war, because of specific restrictions governing these respective bequests and donations. It is, of course, anticipated, that in due time bequests and other trust funds will be available to the Commission on behalf of those whose service has been in this war.

While the Commission keeps in close touch with the Dominion Government, Red Cross, and all other facilities available to help needy and deserving cases, it should be noted that the number of requests for service requiring emergency assistance from the Commission has been gradually increasing, and this increase is likely to continue until at least three years after the end of the war.

*Garden Land Settlement*

During the year two soldier settlers have continued to reside on allotments, while the remaining seven cottages have been rented to families seeking residence in the district through housing shortage. Revenue from these rentals has been placed in a reserve fund, from which it could be made available for the completion of a proposed drainage scheme for the Settlement to overcome conditions produced by unsatisfactory highway ditch.

*General*

During the period under review the Director made personal calls on some 120 branches of veterans' organizations in the Province, when meetings were held with the officials of these bodies and addresses given at general meetings of the members. The work and scope of the Commission was reviewed, individual and general problems discussed, and help or advice arranged for or given. A very helpful system of co-operation has been established throughout the Province. In addition to the Veterans' organizations, contact is also made with Inspectors of Children's Aid Society, Officials of the Provincial Government's Agricultural Loans, and Provincial Police (especially in unorganized areas) in the different areas visited.

The Commission also desires again to gratefully acknowledge the co-operation of the Veterans' organizations; the Canadian Red Cross Society, I.O.D.E.; The Last Post and all other organizations and individuals who have in numerous ways been helpful during the year.

Respectfully submitted,

E. A. BAKER,

*Chairman*

*Appendices*

A.R. 1. Financial Statement.

A.R. 2. Statistical Report.



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**PART II**

**FINANCIAL**

**AND STATISTICAL REPORTS**

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# DEPARTMENT OF PUBLIC WELFARE FINANCIAL REPORT

For Fiscal Year 1942-1943

## SUMMARY

DEPARTMENT OF PUBLIC WELFARE  
Year Ended March 31, 1943

	ORDINARY EXPENDITURE	CAPITAL PAYMENTS
Main Office.....	\$ 288,878.75	\$ .....
Children's Aid.....	178,998.27	.....
Mothers' Allowances.....	3,736,276.27	.....
Old Age Pensions.....	3,781,985.99	9,994,599.14
Unemployment Relief.....	1,603,167.14	.....
	\$9,589,306.42	\$9,994,599.14

### MAIN OFFICE

Minister's Salary.....	\$ 4,666.62	\$ .....
Permanent Salaries.....	16,678.23	.....
Temporary Salaries.....	1,570.83	.....
Cost-of-Living Bonus (All Branches).....	30,992.41	.....
Travelling Expenses.....	1,887.41	.....
Purchase of Equipment.....	561.21	.....
Stationery and Printing.....	2,237.35	.....
Telegraph and Telephone.....	149.84	.....
Miscellaneous.....	73.75	.....
Maintenance of Indigents.....	13,379.80	.....
Burial of Indigents.....	1,178.23	.....
Transportation of Indigents.....	121.00	.....
Rehabilitation of Indigents.....	222.78	.....
Compensation—Injured Workmen.....	17.00	.....
Unemployment Insurance Stamps.....	235.28	.....
Toronto Relief Enquiry.....	522.20	.....
Day Nurseries.....	24,993.08	.....
Grants:		
Refuges.....	83,270.25	.....
Orphanages.....	60,453.30	.....
Soldiers' Aid Commission.....	39,861.68	.....
Memorial Wreaths.....	2,306.50	.....
Boy Scouts' Association.....	2,500.00	.....
Ontario Girl Guides' Association.....	1,000.00	.....
	\$ 288,878.75	\$ .....

### CHILDREN'S AID

Permanent Salaries.....	\$ 35,557.74	\$ .....
Temporary Salaries.....	1,381.27	.....
Travelling Expenses.....	3,695.01	.....
Purchase of Equipment.....	2,286.49	.....
Stationery and Printing.....	3,382.94	.....
Telegraph and Telephone.....	130.11	.....
Miscellaneous.....	142.80	.....
C.U.P.A. Travelling Expenses.....	9,253.14	.....
C.U.P.A. Maintenance.....	57,887.59	.....
C.U.P.A. Legal.....	(Cr.) 300.10	.....
C.U.P.A. Miscellaneous.....	.....	.....
Grants—Salaries of Local Superintendents.....	62,500.00	.....
British Child Guests.....	3,081.28	.....
	\$ 178,998.27	\$ .....

	ORDINARY EXPENDITURE	CAPITAL PAYMENTS
<b>MOTHERS' ALLOWANCES</b>		
Permanent Salaries .....	\$ 46,277.34	\$ .....
Temporary Salaries .....	15,200.28	.....
Travelling Expenses .....	22,032.34	.....
Purchase of Equipment .....	607.97	.....
Stationery and Printing .....	4,905.54	.....
Telegraph and Telephone .....	27.28	.....
Local Board Expenses .....	2,698.52	.....
Sundry Administration .....	437.86	.....
Miscellaneous .....	62.25	.....
Allowances, M.A. Act .....	3,477,243.74	.....
Medical Services .....	166,783.15	.....
	<u>\$3,736,276.27</u>	<u>\$ .....</u>
<b>OLD AGE PENSIONS</b>		
Permanent Salaries .....	\$ 91,610.85	\$ .....
Temporary Salaries .....	26,112.01	.....
Travelling Expenses .....	24,550.68	.....
Purchase of Equipment .....	4,458.93	.....
Stationery and Printing .....	13,696.27	.....
Telegraph and Telephone .....	97.17	.....
Registration Fees .....	834.10	.....
Sundry Administration .....	1,234.21	.....
Miscellaneous .....	25.81	.....
Old Age Pensions .....	3,160,378.53	9,726,095.73
Pensions for the Blind .....	88,322.73	268,503.41
Medical Services .....	370,664.70	.....
	<u>\$3,781,985.99</u>	<u>\$9,994,599.14</u>
	GROSS EXPENDITURE	NET EXPENDITURE
<b>UNEMPLOYMENT RELIEF BRANCH</b>		
Direct Relief .....	\$1,493,244.69	\$ 2,034.08
Farm Rehabilitation .....	2,860.20	962.84
Farm Placement .....	.....	205.62
Mothers' Allowances Fuel .....	27,324.28	.....
Enemy Alien Dependents .....	14,726.54	14,523.14
	<u>\$1,538,155.71</u>	<u>\$ 17,725.68</u>
Administration:		
Main Office .....	\$ 48,130.91	\$ .....
District .....	34,628.95	22.75
	<u>\$ 82,759.86</u>	<u>\$ 22.75</u>
TOTALS .....	<u>\$1,620,915.57</u>	<u>\$1,603,167.14</u>

## RECEIPTS

	ORDINARY REVENUE	CAPITAL RECEIPTS
<b>MAIN OFFICE</b>		
Miscellaneous .....	\$ 1,044.70	\$ .....
<b>CHILDREN'S AID</b>		
Miscellaneous .....	357.97	.....
Dominion <i>re</i> British Child Guests .....	6,097.03	.....
<b>OLD AGE PENSIONS COMMISSION</b>		
Dominion—Old Age Pensions .....	.....	9,633,658.18
Dominion—Pensions for the Blind .....	.....	266,354.07
Other Provinces—Old Age Pensions .....	.....	89,269.92
Other Provinces—Pensions for the Blind .....	.....	2,045.93
	<u>\$ 7,499.70</u>	<u>\$9,991,328.10</u>

**OLD AGE PENSIONS AND PENSIONS FOR THE BLIND**

**Disbursements and Receipts**

**Fiscal Year 1942-43**

**DISBURSEMENTS**

TOTAL CHEQUES ISSUED	OLD AGE PENSIONS	PENSIONS FOR THE BLIND	TOTAL
	Dominion .....	\$9,984,913.07	\$271,445.88
Ontario .....	3,279,397.98	90,020.00	3,369,417.98
Other Provinces .....	92,437.55	2,149.34	94,586.89
	<u>\$13,356,748.60</u>	<u>\$363,615.22</u>	<u>\$13,720,363.82</u>
<b>CANCELLED CHEQUES</b>			
Dominion .....	\$ 136,168.58	\$ 2,030.28	\$ 138,198.86
Ontario .....	45,389.51	676.77	46,066.28
Other Provinces .....			
	<u>\$ 181,558.09</u>	<u>\$ 2,707.05</u>	<u>\$ 184,265.14</u>
<b>CASH REFUNDS</b>			
Dominion .....	\$ 215,086.31	\$ 3,061.53	\$ 218,719.00
Ontario .....	73,629.94	1,020.50	75,535.28
Other Provinces .....			
	<u>\$ 288,716.25</u>	<u>\$ 4,082.03</u>	<u>\$ 294,254.28</u>
<b>NET TOTAL PAYABLE BY</b>			
Dominion .....	\$9,633,658.18	\$266,354.07	\$9,900,012.25
Ontario .....	3,160,378.53	88,322.73	3,248,701.26
Other Provinces .....	92,437.55	2,149.34	94,586.89
	<u>\$12,886,474.26</u>	<u>\$356,826.14</u>	<u>\$13,243,300.40</u>

**RECEIPTS**

	OLD AGE PENSIONS		PENSIONS FOR THE BLIND	
	1941-42	1942-43	1941-42	1942-43
Dominion of Canada .....	\$ .....	\$9,633,658.18	\$ .....	\$ 266,354.07
<b>OTHER PROVINCES</b>				
Alberta .....	10,397.73	6,332.94	227.81	120.00
British Columbia .....	4,538.03	5,121.86	224.50	74.50
Manitoba .....	15,895.53	17,163.02	86.50	157.25
New Brunswick .....	1,642.49	1,924.32	60.00	31.88
Nova Scotia .....	3,363.33	3,465.33	27.00	50.00
Prince Edward Island .....	47.44	64.06		
Quebec .....	27,452.13	30,104.96	1,019.12	1,028.30
Saskatchewan .....	23,817.11	25,093.43	541.11	584.00
	<u>\$ 87,153.79</u>	<u>\$9,722,928.10</u>	<u>\$ 2,186.04</u>	<u>\$ 268,400.00</u>
<b>TOTAL RECEIPTS .....</b>				<u>\$9,991,328.10</u>

## EXPENDITURES ACCORDING TO LOCAL BOARDS

COUNTIES	OLD AGE PENSIONS	PENSIONS FOR THE BLIND	TOTAL
Brant .....	\$ 76,513.94	\$ 1,938.79	
Bruce.....	143,144.86	4,320.00	
Carleton.....	148,124.34	4,600.00	
Dufferin.....	62,542.69	1,440.00	
Dundas.....	67,934.93	1,780.00	
Elgin.....	139,794.27	3,710.76	
Essex.....	192,385.87	5,569.96	
Frontenac.....	104,003.11	2,156.20	
Glengarry.....	99,814.02	2,780.00	
Grey.....	179,695.62	4,159.92	
Haldimand.....	64,797.85	1,260.00	
Halton.....	87,828.36	2,340.00	
Hastings.....	228,058.19	8,700.00	
Huron.....	181,001.85	4,841.25	
Kent.....	169,044.82	3,856.96	
Lambton.....	128,701.58	4,073.59	
Lanark.....	116,230.40	3,705.00	
Leeds and Grenville.....	170,711.47	5,593.36	
Lennox and Addington.....	104,206.34	1,880.00	
Lincoln.....	92,665.90	3,040.00	
Middlesex.....	160,550.01	4,840.00	
Norfolk.....	125,509.92	4,420.00	
Northumberland and Durham.....	253,189.44	6,120.00	
Ontario.....	149,259.22	3,661.79	
Oxford.....	108,139.45	1,215.04	
Peel.....	97,588.96	2,271.00	
Perth.....	77,964.88	1,630.00	
Peterborough.....	100,147.87	1,478.30	
Prescott.....	112,301.11	7,060.00	
Prince Edward.....	96,432.78	2,140.00	
Renfrew.....	213,628.05	9,684.45	
Russell.....	84,602.58	3,200.00	
Simcoe.....	386,938.57	9,059.40	
Stormont.....	128,713.16	6,971.33	
Victoria.....	107,023.48	3,480.00	
Waterloo.....	115,013.23	2,400.00	
Welland.....	135,777.07	1,780.00	
Wellington.....	124,868.00	3,098.71	
Wentworth.....	116,805.78	2,292.50	
York.....	697,514.16	11,557.60	
	<u>\$5,949,168.13</u>	<u>\$160,105.91</u>	
Less Interprovincial Accounts Receivable.....	73,156.94	2,023.00	
	<u>\$5,876,011.19</u>	<u>\$158,082.91</u>	<u>\$6,034,094.10</u>

## TOWNS

Brockville.....	\$ 39,488.27	\$ 697.42	
Gananoque.....	19,170.89	1,160.00	
Ingersoll.....	23,895.63	290.53	
Prescott.....	10,470.00	240.00	
St. Mary's.....	15,452.39		
Smith's Falls.....	24,600.37	1,920.00	
Timmins.....	16,196.67	480.00	
Trenton.....	31,582.62	960.00	
	<u>\$ 180,856.84</u>	<u>\$ 5,747.95</u>	
Less Interprovincial Accounts Receivable.....	3,386.95	156.00	
	<u>\$ 177,469.89</u>	<u>\$ 5,591.95</u>	<u>\$ 183,061.84</u>

CITIES	OLD AGE PENSIONS	PENSIONS FOR THE BLIND	TOTAL
Belleville.....	\$ 55,482.51	\$ 3,185.50	
Brantford.....	140,283.67	5,533.09	
Chatham.....	62,521.59	1,260.00	
Fort William.....	42,063.78	633.29	
Galt.....	55,080.87	1,940.00	
Guelph.....	81,423.72	2,640.00	
Hamilton.....	524,790.39	19,542.38	
Kingston.....	91,393.20	3,392.00	
Kitchener.....	87,595.96	1,360.00	
London.....	289,255.43	8,860.00	
Niagara Falls.....	40,977.72	1,800.00	
North Bay.....	47,665.15	960.00	
Oshawa.....	69,246.60	1,158.70	
Ottawa.....	445,821.02	15,124.62	
Owen Sound.....	70,021.13	1,400.00	
Peterborough.....	85,229.14	2,160.00	
Port Arthur.....	47,923.10	1,200.00	
St. Catharines.....	78,054.35	2,380.00	
St. Thomas.....	60,247.32	1,200.00	
Sarnia.....	49,110.96	240.00	
Sault Ste. Marie.....	56,650.53	2,036.00	
Stratford.....	72,059.85	3,734.58	
Sudbury.....	40,577.83	1,660.00	
Toronto.....	2,503,392.24	61,999.65	
Welland.....	17,805.80	440.00	
Windsor.....	288,548.56	7,080.00	
Woodstock.....	47,455.93	960.00	
	<u>\$5,450,678.35</u>	<u>\$153,879.81</u>	
Less Interprovincial Accounts Receivable.	87,185.84	2,112.50	
	<u>\$5,363,492.51</u>	<u>\$151,767.31</u>	<u>\$5,515,259.82</u>
DISTRICTS			
Algoma.....	\$ 122,574.94	\$ 3,620.00	
Cochrane.....	101,514.61	2,740.00	
Dryden.....	6,038.78	.....	
Haliburton.....	36,376.78	480.00	
Kenora.....	50,343.89	1,120.00	
Manitoulin.....	31,704.95	1,380.00	
Muskoka.....	101,986.02	2,530.04	
Nipissing.....	122,307.23	3,760.00	
Parry Sound.....	125,761.83	4,220.00	
Rainy River.....	76,620.16	1,700.00	
Sioux Lookout.....	1,912.50	.....	
Sturgeon Falls.....	12,164.72	240.00	
Sudbury.....	116,129.71	5,358.71	
Thunder Bay.....	44,655.48	1,140.00	
Temiskaming.....	117,583.48	4,000.00	
	<u>\$1,067,675.08</u>	<u>\$ 32,288.75</u>	
Less Interprovincial Accounts Receivable.	28,541.04	1,351.00	
	<u>\$1,039,134.04</u>	<u>\$ 30,937.75</u>	<u>\$1,070,071.79</u>
OTHER PROVINCES			
Alberta.....	\$ 19,910.60	\$ 240.00	
British Columbia.....	13,847.85	80.00	
Manitoba.....	36,142.64	.....	
New Brunswick.....	2,252.60	78.00	
Nova Scotia.....	5,210.89	.....	
Prince Edward Island.....	124.20	.....	
Quebec.....	57,064.75	1,778.32	
Saskatchewan.....	60,051.11	940.00	
	<u>\$ 194,604.64</u>	<u>\$ 3,116.32</u>	
Less Interprovincial Accounts Receivable.	177,479.16	2,926.82	
	<u>\$ 17,125.48</u>	<u>\$ 189.50</u>	<u>\$ 17,314.98</u>

OTHER PROVINCES—ACCOUNTS PAYABLE	OLD AGE PENSIONS	PENSIONS FOR THE BLIND	TOTAL
Alberta	\$ 4,600.73	\$ 156.75	
British Columbia	9,398.75	186.75	
Manitoba	6,535.25	247.51	
New Brunswick	504.85	81.75	
Nova Scotia	1,091.21	42.00	
Quebec	15,597.47	818.74	
Saskatchewan	5,762.96	153.90	
	<u>\$ 43,491.22</u>	<u>\$ 1,687.40</u>	<u>\$ 45,178.62</u>

## OTHER PROVINCES—ACCOUNTS RECEIVABLE

Alberta	\$ 33,836.56	\$ 627.00	
British Columbia	21,131.11	382.00	
Manitoba	69,439.87	587.00	
New Brunswick	8,111.15	186.00	
Nova Scotia	13,626.50	185.00	
Prince Edward Island	256.20		
Quebec	122,546.77	4,160.32	
Saskatchewan	100,801.77	2,440.00	
	<u>\$ 369,749.93</u>	<u>\$ 8,569.32</u>	<u>\$ 378,319.25</u>
<b>GRAND TOTALS</b>	<u>\$12,886,474.26</u>	<u>\$356,826.14</u>	<u>\$13,243,300.40</u>

## ACCOUNTS RECEIVABLE

## Old Age Pensions and Pensions for the Blind

	OUTSTDG. Mar. 31, '42	CHARGED 1942-43	RECEIPTS 1942-43	OUTSTDG. Mar. 31, '43
<b>DOMINION OF CANADA</b>				
Old Age Pensions	\$	\$9,633,658.18	\$9,633,658.18	\$
Pensions for the Blind		266,354.07	266,354.07	
<b>OTHER PROVINCES</b>				
Old Age Pensions	20,051.32	92,437.55	89,269.92	23,218.95
Pensions for the Blind	483.97	2,149.34	2,045.93	587.38
	<u>\$ 20,535.29</u>	<u>\$9,994,599.14</u>	<u>\$9,991,328.10</u>	<u>\$ 23,806.33</u>

	OLD AGE PENSIONS	PENSIONS FOR THE BLIND	TOTAL
Alberta	\$ 2,126.20	\$ 39.00	
British Columbia	1,278.72	42.00	
Manitoba	4,379.18	34.50	
New Brunswick	537.44	21.38	
Nova Scotia	780.55	11.25	
Prince Edward Island	15.08		
Quebec	7,707.52	272.25	
Saskatchewan	6,394.26	167.00	
	<u>\$ 23,218.95</u>	<u>\$ 587.38</u>	<u>\$ 23,806.33</u>



## MOTHERS' ALLOWANCES COMMISSION

## Disbursements and Receipts

Fiscal Year 1942-43

## DISBURSEMENTS

Total Cheques Issued.....	\$3,534,982.00	
Less Cancelled Cheques.....	52,673.00	
		\$3,482,309.00
Less Cash Refund.....		5,065.26
		<u>\$3,477,243.74</u>

## EXPENDITURES ACCORDING TO LOCAL BOARDS

## COUNTIES

Brant.....	\$ 11,305.00
Bruce.....	31,765.00
Carleton.....	34,550.00
Dufferin.....	9,830.00
Dundas.....	11,670.00
Durham.....	15,210.00
Elgin.....	21,225.00
Essex.....	39,325.00
Frontenac.....	18,435.00
Glengarry.....	25,440.00
Grenville.....	11,450.00
Grey.....	33,620.00
Haldimand.....	18,780.00
Haliburton.....	7,253.00
Halton.....	10,615.00
Hastings.....	44,180.00
Huron.....	27,034.90
Kent.....	30,655.00
Lambton.....	14,685.00
Lanark.....	20,055.00
Leeds.....	18,570.00
Lennox and Addington.....	14,990.00
Lincoln.....	14,885.00
Middlesex.....	24,186.00
Norfolk.....	27,840.00
Northumberland.....	25,965.00
Ontario.....	21,835.00
Oxford.....	15,930.00
Peel.....	14,555.00
Perth.....	12,395.00
Peterborough.....	17,060.00
Prescott.....	36,145.00
Prince Edward.....	9,715.00
Renfrew.....	67,617.00
Russell.....	24,355.00
Simcoe.....	93,030.00
Stormont.....	57,801.00
Victoria.....	18,349.00
Waterloo.....	20,285.00
Welland.....	31,280.00
Wellington.....	22,165.00
Wentworth.....	14,865.00
York.....	237,346.97

\$1,278,247.87

## CITIES

Belleville	\$ 24,840.00
Brantford	38,490.00
Chatham	24,765.00
Fort William	39,200.00
Galt	14,485.00
Guelph	25,769.00
Hamilton	152,825.00
Kingston	35,535.00
Kitchener	38,275.00
London	76,262.00
Niagara Falls	18,960.00
North Bay	30,720.00
Oshawa	22,660.00
Ottawa	190,542.97
Owen Sound	23,430.00
Peterborough	30,335.00
Port Arthur	28,155.00
St. Catharines	17,860.00
St. Thomas	20,370.00
Sarnia	11,025.00
Sault Ste. Marie	35,340.00
Stratford	17,225.00
Sudbury	40,150.00
Toronto	715,433.40
Welland	10,500.00
Windsor	93,866.00
Woodstock	12,980.00
	<hr/>
	1,789,998.37

## TOWNS

Brockville	\$ 8,185.00
Gananoque	4,105.00
Ingersoll	9,490.00
Prescott	3,750.00
St. Mary's	6,675.00
Smith's Falls	3,325.00
Trenton	8,840.00
	<hr/>
	44,370.00

## DISTRICTS

Algoma	\$ 30,965.00
Cochrane	76,345.00
Kenora	19,667.50
Manitoulin	10,105.00
Muskoka	25,175.00
Nipissing	42,060.00
Parry Sound	34,200.00
Rainy River	19,170.00
Sudbury	43,585.00
Thunder Bay	11,290.00
Temiskaming	52,065.00
	<hr/>
	364,627.50
	<hr/>
	\$3,447,243.74
	<hr/> <hr/>

W. A. SALMONS,

*Ass't Accountant*

**UNEMPLOYMENT RELIEF STATISTICS**

**Appendix I.**

**GROSS MONTHLY DIRECT RELIEF EXPENDITURES**

	1942-43	1941-42	1939-40
April.....	\$302,171	\$176,629	\$2,170,987
May.....	265,591	396,808	1,854,953
June.....	250,817	338,377	1,585,468
July.....	228,851	307,223	1,416,560
August.....	217,600	387,847	1,454,678
September.....	209,530	289,985	1,417,803
October.....	225,599	296,419	1,359,089
November.....	222,054	324,281	1,422,117
December.....	233,630	361,076	1,559,609
January.....	226,913	337,839	1,737,235
February.....	234,102	347,356	1,772,973
March.....	229,853	356,600	1,812,176
	<u>\$2,846,711</u>	<u>\$4,120,440</u>	<u>\$19,563,648</u>

**Appendix II.**

**GROSS NUMBERS ON AID MONTHLY**

	1942-43	1941-42	1939-40
April.....	30,785	65,324	301,061
May.....	27,693	53,433	264,787
June.....	24,778	41,200	225,423
July.....	22,895	37,787	209,318
August.....	22,754	34,892	201,488
September.....	18,959	33,384	195,044
October.....	19,497	32,417	183,273
November.....	18,993	32,428	177,838
December.....	18,821	32,907	189,613
January.....	18,982	33,626	212,459
February.....	19,012	33,910	220,423
March.....	18,952	32,714	220,453

**Appendix III.**

**MARITAL STATUS OF RELIEF CASE-LOAD**

MARITAL STATUS	NUMBER	PERCENTAGE	CUMULATIVE PERCENTAGE
Province.....	9,870	100.0%	100.0%
Single Persons.....	2,238	22.7	22.7
Married.....	3,211	32.6	55.3
Widows.....	2,440	24.7	80.0
Widowers.....	517	5.2	85.2
Common Law.....	42	0.4	85.6
Separated.....	685	6.9	92.5
Deserted.....	537	5.4	97.9
Divorced.....	55	0.6	98.5
Not Accounted for.....	145	1.5	100.0

**Appendix IV.**

**NUMBER OF RELIEF CASES, ACCORDING TO SIZE OF FAMILY**

SIZE OF FAMILIES	TOTAL CASES	PERCENTAGE	CUMULATIVE PERCENTAGE
Province.....	9,870	100.0%	100.0%
Families of 2.....	1,849	18.7	18.7
“ “ 3.....	708	7.2	25.9
“ “ 4.....	425	4.3	30.2
“ “ 5.....	309	3.2	33.4
“ “ 6.....	205	2.1	35.5
“ “ 7.....	113	1.1	36.6
“ “ 8.....	86	0.9	37.5
“ “ 9.....	44	0.4	37.9
“ “ 10 plus.....	52	0.5	38.4
Single Individuals.....	5,934	60.1	98.5
Not Accounted for.....	145	1.5	100.0

## Appendix V.

AGE DISTRIBUTION OF HEADS OF FAMILIES AND SINGLE INDIVIDUALS  
IN RECEIPT OF RELIEF

AGE GROUP	NUMBER OF CASES	PERCENTAGE	CUMULATIVE PERCENTAGE
Province.....	9,870	100.0%	100.0%
70 Years and Over.....	890	9.0	9.0
65-69 Years.....	2,985	30.2	39.2
60-64 ".....	1,638	16.6	55.8
50-59 ".....	1,784	18.1	73.9
40-49 ".....	1,089	11.0	84.9
30-39 ".....	831	8.4	93.3
29 Years and Under.....	508	5.2	98.5
Not Accounted for.....	145	1.5	100.0

## Appendix VI.

## REASONS ASSISTANCE BEING RENDERED INTO HOME

	NUMBER OF CASES	PERCENTAGE OF TOTAL
Total Province.....	9,870	100.0%
Reasons Other than Health.....	1,079	10.9
Major Health Reasons.....	8,646	87.6
Cases Not Classified.....	145	1.5

## (a) Reasons for Assistance into Home

## Other than Health:

	NUMBER OF CASES	PERCENTAGE
Province.....	1,079	100.0%
Desertion.....	285	26.4
Homemaking Duties only.....	220	20.4
Separation or Divorce.....	135	12.5
Temporary Aid.....	125	11.6
Imprisonment.....	122	11.3
Illegitimacy.....	96	8.9
Orphanhood.....	21	1.9
Widowhood.....	17	1.6
Miscellaneous Reasons.....	58	5.4

## (b) Major Health Reasons:

	TOTAL CASES	PERCENTAGE
Province.....	8,646	100.0%
Circulation.....	1,985	23.0
Senility, Age, etc.....	1,869	21.6
Rheumatic, etc.....	1,182	13.7
Nervous Disorders.....	756	8.7
Mental, etc.....	583	6.7
Handicap, etc.....	490	5.7
Respiratory, etc.....	401	4.6
Digestion.....	329	3.8
Tuberculosis.....	178	2.1
Diseases of Blood.....	169	2.0
Cancer.....	129	1.5
Acute Sickness.....	99	1.1
Genito-urinary.....	94	1.1
Injuries, Accidents, etc.....	82	0.9
Health Reasons Not Otherwise Specified.....	300	3.5

Appendix VII.

MAJOR HEALTH REASONS ACCORDING TO AGE, IN PERCENTAGES

TYPE OF AILMENT	TOTAL CASES	PERCENTAGES						
		70 AND OVER	65-69	60-64	50-59	40-49	30-39	29 AND UNDER
Province.....	8,646	10.3%	34.3%	18.6%	19.2%	10.1%	5.6%	1.9%
Circulation.....	1,985	4.2	37.5	25.1	22.7	6.6	3.1	0.8
Senility and Age, etc.....	1,869	34.7	53.7	9.8	1.6	0.1	0.1	.....
Rheumatic, etc.....	1,182	4.4	33.1	23.6	21.7	11.0	5.2	1.0
Nervous Disorders.....	756	3.4	26.6	19.8	26.6	13.9	7.1	2.6
Mental, etc.....	583	2.9	15.8	18.4	26.6	20.7	11.3	4.3
Handicap, etc.....	490	3.7	19.2	15.5	30.0	18.0	9.2	4.4
Respiratory, etc.....	401	3.5	33.7	23.4	20.2	12.5	5.7	1.0
Digestion.....	329	3.6	31.6	18.8	24.6	12.5	6.4	2.5
Tuberculosis.....	178	0.6	12.4	11.2	29.8	24.7	18.5	2.8
Disease of Blood.....	169	1.8	32.0	19.5	22.5	13.6	8.3	2.3
Cancer.....	129	2.3	27.9	19.4	27.1	18.6	4.7	.....
Acute Sickness.....	99	.....	7.1	12.1	23.2	16.2	31.3	10.1
Genito-urinary.....	94	2.1	27.7	24.5	12.8	14.9	12.8	5.2
Injuries, etc.....	82	1.2	17.1	13.4	28.1	20.7	13.4	6.1
Health Reasons Not Specified.....	300	2.3	13.3	10.0	26.0	23.0	16.0	9.4

Appendix VIII.

ASSISTANCE INTO HOME ADDITIONAL TO DIRECT RELIEF

TYPE OF ASSISTANCE	TOTAL CASES	PERCENTAGE
Old Age Pensions.....	703	66.3%
Mothers' Allowances.....	197	18.6
Blind Pensions.....	50	4.7
Veterans' Allowance.....	50	4.7
Workmen's Compensation.....	25	2.4
Other Forms of Aid.....	35	3.3
TOTAL CASES OBTAINING AID OTHER THAN DIRECT RELIEF.....	1,060	100.0%

Appendix IX.

TOTAL PERSONS SEVENTY YEARS OF AGE AND OVER AND REASONS OLD AGE PENSION NOT GRANTED

REASON OLD AGE PENSION NOT GRANTED	NUMBER OF PERSONS	PERCENTAGE
Not in Country Twenty Years.....	329	33.4%
Not Naturalized.....	150	15.2
No Proof of Age.....	136	13.8
Broken Residence.....	43	4.4
Overpayment of Pension.....	25	2.5
Application Pending.....	157	15.9
Miscellaneous Reasons.....	37	3.8
Reason Not Given.....	108	11.0
TOTAL PERSONS SEVENTY YEARS AND OVER....	985	100.0%

## OLD AGE PENSIONS

April 1, 1942, to March 31, 1943

### SUMMARY

	No. ON PAY LIST 1941-42	No. ON PAY LIST 1942-43	GRANTED (NEW)	REINSTATE- MENTS	TRANS- FERS	CANCEL- LATIONS
Counties.....	27,745	27,020	2,651	279	2	3,657
Cities.....	24,979	24,098	2,331	378	5	3,595
Towns.....	832	795	62	14	1	114
Districts.....	4,844	4,851	536	55	3	587
Other Provinces.....	832	928	.....	6	327	237
TOTALS.....	59,232	57,692	5,580	732	338	8,190

	GRANT- ED (NEW) 1941- 1942	REIN- STATE- MENTS AND TRANS- FERS	Number of Cases Dealt With in Fiscal Year 1942-43 = 19,593						FORMER DECI- SIONS SUS- TAINED
			GRANT- ED (NEW) 1942- 1943	REIN- STATE- MENTS AND TRANS- FERS	INELI- GIBLE	CAN- CELLED	REDUC- TIONS	IN- CREASES	
Counties.....	3,210	303	2,651	281	567	3,657	258	1,708	121
Cities.....	2,955	343	2,331	383	403	3,595	276	752	87
Towns.....	97	6	62	15	16	114	5	34	8
Districts.....	608	45	536	58	90	587	47	291	43
Other Prov.....	.....	248	.....	333	.....	237	5	42	.....
TOTALS..	6,870	945	5,580	1,070	1,076	8,190	591	2,827	259

Decrease - 1,165









**PENSIONS FOR THE BLIND**  
**April 1, 1942, to March 31, 1943**  
**SUMMARY**

	No. on PAY LIST MAR. 31, 1942	No. on PAY LIST MAR. 31, 1943	GRANTED (NEW)	REINSTATE- MENTS	TRANS- FERS	CANCEL- LATIONS
Counties	684	675	58	4		71
Cities	656	650	53	8		67
Towns	23	23	3			3
Districts	133	139	14	1	1	10
Other Provinces	10	15		3	6	4
<b>TOTALS</b>	<b>1,506</b>	<b>1,502</b>	<b>128</b>	<b>16</b>	<b>7</b>	<b>155</b>

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**NUMBER OF CASES DEALT WITH, 1942-43 (Fiscal)**

ELIGIBLE	INELIGIBLE	CANCELLATIONS	REDUCTIONS	INCREASES	TOTAL
151	55	155	7	8	376

New Cases—1941-42	163
1942-43	128
Decrease	<u>35</u>







# MOTHERS' ALLOWANCES COMMISSION

## April 1, 1942, to March 31, 1943

### STATISTICAL REPORT

	DECISIONS										No. on Pay List, Mar. 31, 1943	No. on Pay List Part of Year but Later Cancelled	NO OF FAMILIES WITH										CANCELLATIONS					INELIGIBLE										
	Applications Received	Applications Granted	Renewals Granted	Renewed	Ineligible and Deferred	Renewals Refused	Cancelled and Suspended	Continued	Increased	Reduced			Total	1 Child	2 Children	3 Children	4 Children	5 Children	6 Children	7 Children	8 Children	9 Children	10 Children	Total	No Children Under 16 Yrs.	Remarried	Income	Unsatisfactory	Man Not Perm. Unemployable	Other Reasons	Total	No Children Under 16 Yrs.	Remarried	Income	Unsatisfactory	Man Not Perm. Unemployable	Other Reasons	Total
Widow	714	433	65	298	215	125	2249	670	789	2142	6386	5519	1856	3875	1874	906	412	180	83	31	8	4	2	7375	629	276	1000	137	207	2249	19	112	27	182	340			
Incapacitation	563	217	46	87	172	82	721	300	327	501	2453	1665	630	973	548	339	197	127	57	39	9	6	2265	131	232	32	267	59	721	4	25	8	172	45	254			
Mental	48	19	4	10	15	11	101	17	14	63	254	203	90	123	66	55	19	22	3	4	1	293	20	36	10	24	11	101	1	5	5	10	6	26				
Desertion	92	16	7	22	51	35	191	37	39	132	530	342	164	327	111	37	24	4	2	1	506	70	73	13	30	191	1	7	4	7	4	74	86					
Foster Mother	58	35	3	2	13	2	101	30	8	53	247	253	911	241	69	22	6	2	4		344	47	16	3	35	101	1	4	1	10	15							
F.M. Incap.	37	25						6		5	74											7			1	6	16	30					2	4	2	8		
F.M. Mental	2	2									4																											
F.M. Desertion	13	1						1																														
TOTALS	1467	748	125	419	480	260	3400	1061	1177	2896	10566	7982	2831	5539	2668	1359	658	335	149	75	18	10	2	10813	906	281	1357	196	297	363	3400	24	153	47	186	330	740	

Included in incapacitation cases.

Included in mental cases.

Included in desertion cases.

## STATISTICAL REPORT (Concl'd)

No. of Beneficiaries on Pay List—March 31, 1942 .....	10,086	
March 31, 1943 .....	7,982	
Decrease During Fiscal Year.....	2,104	
No. of Beneficiaries on Pay List—March 31, 1943 .....	7,982	No. OF CHILDREN 16,535
Part of Year, but Later Cancelled .....	2,831	4,397
TOTALS .....	10,813	20,932

Average number of children per family ..... 1.93

No. of Families in:		No. OF CHILDREN	AVERAGE NO. OF CHILDREN
Cities— Active .....	3,813	7,160	1.88
Cancelled .....	1,525	2,207	1.44
Towns— Active .....	109	231	2.11
Cancelled .....	46	65	1.41
Districts—Active .....	873	2,124	2.43
Cancelled .....	228	432	1.89
Counties—Active .....	3,187	7,020	2.20
Cancelled .....	1,032	1,693	1.64
TOTALS.....	10,813	25,932	1.93

COUNTRY OF BIRTH	ACTIVE	CANCELLED	TOTAL
Canada.....	5,424	1,743	7,167
British .....	1,665	723	2,388
Others Naturalized.....	893	365	1,258
TOTALS.....	7,982	2,831	10,813

Percentage:			
Canada.....	67.95%	61.57%	66.28%
British.....	20.86	25.54	22.09
Others Naturalized.....	11.19	12.89	11.63
TOTALS.....	100.00%	100.00%	100.00%

CAUSE OF DEATH	ACTIVE	CANCELLED	TOTAL
Tuberculosis.....	432	166	598
Cancer.....	571	201	772
Others.....	4,516	1,489	6,005
TOTALS.....	5,519	1,856	7,375

CAUSE OF INCAPACITATION	ACTIVE	CANCELLED	TOTAL
Tuberculosis.....	409	240	649
Cancer.....	12	7	19
Mental.....	203	90	293
Epilepsy.....	27	7	34
Others.....	1,217	376	1,593
TOTALS.....	1,868	720	2,588

## CHILDREN'S AID BRANCH

April 1, 1942, to March 31, 1943

### INVESTIGATION REPORT

#### STATISTICS

Total Cases Open at the Beginning of the Year .....	7,050
New Cases .....	8,733
Cases Reopened .....	1,677
Cases Closed .....	9,465
Total Cases Open at the End of the Year .....	7,995

#### FIELD WORK

Children Involved in Above Investigated Cases .....	34,086
Visits <i>re</i> All Cases .....	103,884
Office Interviews <i>re</i> All Cases .....	34,541
Attendances on Above Cases—Mental Health .....	372
Medical .....	968
Dental .....	84
Court Cases Attended (Including All Attendances on Every Case).....	7,563

#### FACTORS (Count All Factors Involved in Above Cases)

Abuse or Ill Treatment .....	305
Death of Only Parent or Guardian .....	95
Delinquency of Child .....	1,217
Desertion .....	473
Divorce .....	106
Drunkenness.....	722
Illness of Parent or Guardian .....	631
Imprisonment .....	131
Marital Discord.....	1,072
Mental Defect—Suspected.....	145
Diagnosed.....	384
Mental Illness—Suspected.....	44
Diagnosed.....	108
Neglect—Medical.....	134
Moral.....	1,377
Physical .....	1,632
Non-support .....	577
One Parent Deceased .....	356
Personality Problem.....	254
Separation of Parents.....	984
Sex Offences—Adults with Children .....	39
Children with Children.....	29
Specific Disease .....	68
Truancy.....	332
Unwarranted Complaint .....	222
Sundry.....	3,860

#### CHILDREN MADE WARDS (Including Children Born Out of Wedlock)

Permanent:	
New Commitments .....	379
From Previous Temporary Wardship.....	281
Temporary:	
New Commitments .....	1,259
From Previous Temporary Wardship .....	1,360



**REPORT *re* CHILDREN IN CARE**

STATISTICS	OTHER SOCIETIES'		
	WARDS	WARDS	NON-WARDS
Total Children in Care at First of Year...	8,253	696	2,751
Children Admitted to Care During Year...	1,752	293	3,649
Children Discharged During Year	1,320	272	3,195
Total Children in Care at End of Year	8,685	717	3,205

TYPE OF CARE	END OF YEAR		
	WARDS	OTHER SOCIETIES'	NON-WARDS
Shelter	370	1	183
Boarding Home	3,860	79	895
Adoption Probation	504	126	1,587
Wage Home	723	51	42
Free Home	2,429	437	358
Other Institutions:			
Placed for Specific Care Under			
Direct Supervision	372	18	128
Mental Hospital	248		1
Correctional Institution	179	5	11
TOTALS.....	8,685	717	3,205

**FIELD WORK**

Visits <i>re</i> All Children in Care	95,406
Office Interviews <i>re</i> All Children in Care	39,525
Attendances on Children—Mental Health	3,296
Medical	9,030
Dental	2,121
Children in Care Contacted in Office or on Visit During Year	29,810
First Placements of Children	3,675
Replacements of Children (One Home to Another Home)	3,592
Children Returned to the Shelter	1,027
Foster Home Investigations (Involving 6,799 Visits)	4,189
Replacements, Shelter to Foster Home	1,256
Visits in Search of Foster Homes	2,934

**INDUSTRIAL SCHOOLS**

Investigations for Industrial Schools—Before Commitment	196
Before Parole	218

**WAR SERVICES REPORT**

**REPORT *re* BRITISH CHILD GUESTS**

	C.O.R.B. CHILDREN	TRANSFERRED FROM PRIVATE CARE	TOTAL
No. of Children Under Supervision	608	41	649
No. of Visits	3,726	253	3,979
No. of Office Interviews	1,258	112	1,370
No. of Letters to Parents	1,690	15	1,705
No. of Attendances <i>re</i> Children:			
Medical	375	26	401
Dental	154	12	166
Mental	19	.....	19
No. of Replacements	72	27	99
No. of Foster Home Investigations	63	7	70

REPORT *re* DEPENDENTS' ALLOWANCE BOARD

	INVESTIGATION RE ELIGIBILITY FOR ALLOWANCE	ADMINISTRA- TION OF ALLOWANCE	SUPERVISION OF SOLDIERS' FAMILIES
No. of Cases Open on First of Year	234	251	354
No. of Cases Opened or Reopened During Year	1,584	287	1,132
No. of Cases Closed During Year	1,488	142	723
No. of Cases Open at End of Year	330	396	763
No. of Children Involved	770	1,377	2,840
No. of Visits Made	3,261	3,205	7,421
No. of Office Interviews	1,144	2,678	3,600

REPORT *re* DEPENDENTS' BOARD OF TRUSTEES

	SUPPLE- MENTARY GRANTS	COMPAS- SIONATE LEAVE
No. of Cases Open on First of Year	155	14
No. of Cases Open or Reopened During Year	5,673	145
No. of Cases Completed	3,942	92
No. of Cases Open at End of Year	1,886	67
No. of Visits Made	7,881	200
No. of Office Interviews	3,525	110
No. of Reports Forwarded	4,351	105
No. of Grants Administered	846	

REPORT *re* DEPARTMENT OF PENSIONS AND NATIONAL HEALTH

Investigations <i>re</i> Pensions:	
Soldier Deceased	12
Soldier discharged for Disability	11
Investigations <i>re</i> War Veterans' Allowances	25

## STATISTICAL REPORT

## THE CHILDREN OF UNMARRIED PARENTS' ACT

COMPARATIVE REPORT SHOWING NUMBER OF CASES DEALT WITH  
FROM JULY, 1921, TO MARCH 31, 1943

1921—July 1, 1921, to October 31, 1921	102 cases
1921-1922—October 31, 1921, to October 31, 1922	672 "
1922-1923—October 31, 1922, to October 31, 1923	1,462 "
1923-1924—October 31, 1923, to October 31, 1924	1,205 "
1924-1925—October 31, 1924, to October 31, 1925	1,347 "
1925-1926—October 31, 1925, to October 31, 1926	1,705 "
1926-1927—October 31, 1926, to October 31, 1927	1,724 "
1927-1928—October 31, 1927, to October 31, 1928	1,865 "
1928-1929—October 31, 1928, to October 31, 1929	1,886 "
1929-1930—October 31, 1929, to October 31, 1930	2,180 "
1930-1931—October 31, 1930, to October 31, 1931	2,250 "
1931-1932—October 31, 1931, to October 31, 1932	2,148 "
1932-1933—October 31, 1932, to October 31, 1933	2,248 "
1933-1934—October 31, 1933, to October 31, 1934	1,954 "
1934-1935—October 31, 1934, to March 31, 1935	798 "
1935-1936—March 31, 1935, to March 31, 1936	2,166 "
1936-1937—March 31, 1936, to March 31, 1937	2,203 "
1937-1938—March 31, 1937, to March 31, 1938	2,401 "
1938-1939—March 31, 1938, to March 31, 1939	2,371 "
1939-1940—March 31, 1939, to March 31, 1940	2,356 "
1940-1941—April 1, 1940, to March 31, 1941	2,441 "
1941-1942—April 1, 1941, to March 31, 1942	2,800 "
1942-1943—April 1, 1942, to March 31, 1943	2,918 "

42,902 cases

STATISTICAL REPORT (Cont'd)

NEW CASES FOR THE YEAR

From April 1, 1942, to March 31, 1943 (Including 1,048 Cases from the Toronto District).....		2,918 cases
Of these.....	190 were pending. 416 have been settled. 2,312 have been closed.	
Of the cases settled.....	340 were by agreements with the Provincial Officer. 73 by court orders. 3 by private agreements approved by the Judge.	
Of the cases closed.....	1,104 no action was desired. 2 were dismissed by the court for lack of sufficient corroborative evidence. 510 were closed for lack of sufficient corroboration. 121 there was no data. 56 couples married. 176 man unknown. 232 man's whereabouts unknown. 57 man outside jurisdiction. 33 man dead. 13 man worthless. 8 criminal action taken.	
There were.....	7 varied agreements. 40 varied orders. 74 applications for orders on agreements, of which 73 were granted. 68 summons issued.	

ADOPTION STATISTICS

NUMBER OF ADOPTIONS BY MONTHS

1942—April.....	87	1942—September.....	178	1943—February.....	149
May.....	156	October.....	154	March.....	136
June.....	139	November.....	177		
July.....	94	December.....	185	TOTAL ADOPTIONS.....	<u>1,706</u>
August.....	115	1943—January.....	136		

AGES OF CHILDREN LEGALLY ADOPTED

Born—1943.....	1	Born—1930.....	36	Born—1916.....	3
1942.....	24	1929.....	34	1915.....	2
1941.....	71	1928.....	40	1914.....	5
1940.....	411	1927.....	22	1912.....	2
1939.....	275	1926.....	28	1911.....	2
1938.....	145	1925.....	25	1910.....	2
1937.....	114	1924.....	26	1909.....	1
1936.....	109	1923.....	20	1908.....	1
1935.....	70	1922.....	21	1906.....	1
1934.....	52	1920.....	9	1905.....	2
1933.....	46	1919.....	4	1903.....	1
1932.....	36	1918.....	4		
1931.....	42	1917.....	6	TOTAL.....	<u>1,706</u>

CLASSIFICATIONS

Children's Aid Wards.....	217	Stepfather Adopts (Legitimate).....	127
Soldiers' Aid Commission Wards.....		Parents Divorced.....	81
Wards of Other Organizations.....		Child Adopted Second Time.....	5
Children of Unmarried Parents.....	1,347	Relatives Adopting.....	223
Abandoned Children, Foundlings.....	1	One Person Adopting.....	68
Orphaned Children.....	10	Child Over 21 Years.....	46
One Parent Living.....	143	Born Out of Wedlock, Not Under Ontario Laws.....	45
Both Parents Living.....	184	Married.....	10
Husband Adopts Wife's Child (Illeg.)..	379		

NOTE.—Many children are included in more than one of the above classifications.

## FINANCIAL STATEMENT—RECEIPTS

	MUNICIPAL PAYMENTS			MAINTENANCE			PROVINCIAL PAYMENTS			PRIVATE			TOTAL RECEIPTS FROM ALL SOURCES
	MAINTENANCE FROM MUNICIPAL PAIDITY	GRANT FROM MUNICIPAL PAIDITY	MAINTENANCE OUTSIDE PAIDITIES	MAINTENANCE FROM PARENTS AND OTHERS	GRANT	MILEAGE	PAYMENT FOR WARDEN	DONATIONS, MEMBERSHIPS, ETC.	INTEREST FROM REQUESTS	STUBBLY			
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Alrona	12,488.95		412.50	3,310.57	1,625.00	370.85	5,664.42	1,837.25	1,550.00	2,207.56		28,072.10	
Bram	13,173.45		115.78	5,727.50	1,083.35	111.25	2,179.17	2,179.17	1,796.29	2,903.68		26,218.17	
Bruce		5,300.00		934.18	1,000.00	296.17	261.00	16.50	1,815.00			32,617.52	
Corchaie	3,899.72		831.45	990.61	5,200.00	54.01	10,259.25	2,391.60		596.58		22,108.97	
Dufferin	3,980.25		2,277.00	137.50	1,325.00	231.52	3,336.15	357.75	1,593.11			18,217.90	
Elgin	17,069.26		1,001.50	101.08	1,500.00	181.83	2,405.25	263.00	224.00			37,966.02	
Fort William	6,273.35		3,485.25	1,886.21	1,083.35	100.99	3,627.50	327.00				13,758.06	
Frontenac	17,227.75		70.90	617.33	1,083.35	212.88	559.34	363.50				312.00	
Grey	9,988.94		1,140.00	369.00	1,083.35	356.39	6.21	15.00	400.00			12,950.11	
Haldimand	10,767.00		5,285.41	5,263.09	2,165.70	176.99	3,496.41	251.12				27,764.19	
Halton and Peel	55,364.83		1,597.92	2,285.50	1,083.35	129.00						61,033.72	
Hamilton	25,097.00		819.45	2,452.96	1,000.00	179.99						31,350.33	
Hastings	5,500.00		1,798.25	685.90	1,083.35	36.71						8,973.21	
Huron	7,322.20		9,150.00	3,680.90	1,083.35	86.58	178.50	2,219.48	159.20			21,523.20	
Kenora	5,623.58			1,085.98	1,000.00	166.25						136.62	
Lambton		115.00		7,337.49	1,000.00	107.07						9,482.54	
Larnark	1,332.73		2,426.40	91.00	1,083.35	65.21	63.05	2,483.69				5,389.89	
Leeds and Grenville	23,008.88		4,383.56	150.52	1,583.35	139.78	80.36	1,309.40	250.00			31,289.17	
Lennox and Addington	16,973.81		3,976.80	213.00	5,000.00	122.47						28,759.14	
Lincoln	8,165.85			2,430.00	1,000.00	56.60						11,661.45	
London and Middlesex	50,253.35			3,237.91	1,583.35	37.40	3,803.67	836.14	30.00			58,493.78	
Manitowlin	283.02		1,330.45	2,750.73	1,625.00	160.52						6,540.72	
Muskoka	10,513.47		3,18.75	2,654.82	1,083.35	169.78						18,993.02	
Nipissing	24,081.72		13,287.31	4,081.79	1,083.35	270.09						47,487.37	
Norfolk	10,121.00		4,313.95	40,282.88	1,500.00	158.44						57,329.14	
Northumberland and Durham	96,448.64		1,972.25	1,105.38	1,083.35	395.15						101,932.73	
Ontario	11,000.17		459.00	1,600.80	1,500.00	56.00						17,418.58	
Oxford	1,190.20		529.25	1,316.78	1,500.00	66.26						4,593.54	
Perry Sound	4,140.00		79.50	1,316.78	1,500.00	24.00						8,691.44	
Perth	3,250.00		4,231.89	1,535.48	500.00	25.20						11,109.97	
Peterborough	11,425.25		692.25	457.08	1,000.00	604.90						18,559.55	
Port Arthur	6,352.50		194.25	5,296.64	1,083.35	423.45						16,363.07	
Prince Edward	15,109.00		2,327.50	2,812.81	1,583.35	335.50						20,322.62	
Rainy River	7,974.00		4,621.55	1,930.68	1,625.00	118.56						20,322.62	
Renfrew	3,372.34			109.50	1,500.00	474.18						5,771.11	
Simcoe	25,367.48		6,000.00	28,577.28	1,625.00	310.40						37,951.16	
Starnbury, Dundas and Glengarry	23,318.15		4,621.55	109.50	1,500.00	12.00						29,473.66	
Sudbury	2,782.25		10,960.65	28,577.28	1,625.00	46.43						40,158.21	
Tennessing	11,290.00		105,488.80	3,334.89	1,625.00	310.40						122,000.97	
Toronto	218,263.44		105,488.80	3,334.89	1,625.00	310.40						394,657.52	
Victoria and Haliburton	13,149.19		1,375.50	4,266.10	1,000.00							21,812.92	
Waterloo	17,798.02		1,161.77	2,580.28	1,500.00							31,615.15	
Welland	20,046.16		248.55	3,791.30	1,500.00							33,200.13	
Wellington	23,523.28		3,734.25	7,103.28	1,083.35							35,370.19	
Wentworth	34,869.75		13,600.75	3,071.99	1,625.00							54,950.07	
Windsor (Protestant)	47,937.06		64,708.00	3,071.99	1,625.00							116,344.05	
Windsor (Roman Catholic)	10,885.33			17,159.76	1,500.00							29,545.09	
York	75,890.46		170,555.84	14,863.01	1,625.00							290,804.30	
R.C. St. Vincent de Paul				14,863.01	1,625.00							17,101.01	
Totals	1,094,056.88		170,555.84	225,620.88	65,541.33	8,086.07	72,027.96	122,000.97	22,817.16			1,928,766.06	

FINANCIAL STATEMENT (Concl'd)  
EXPENDITURES

	SHELTER		BOARDING HOMES		ALL OTHER		TOTAL	DAYS' CARE		COST PER DAY	
	\$	c	\$	c	\$	c		\$	c	\$	c
Algonia	8,965.83		12,090.53		7,648.41		28,704.77	19,041		61	
Braut	3,470.42		8,849.41		13,127.55		25,447.38	13,044		86	63
Bruce	4,596.04		465.72		3,811.32		8,873.08	4,054		1.50	45
Cochrane	5,231.48		13,097.64		3,837.81		22,166.93	3,247		1.61	70
Dufferin			5,341.99		2,483.49		7,827.48	7,034			76
Eggn			19,824.93		10,041.12		29,866.05	27,938			71
Fort William	5,275.20		6,233.99		3,133.17		14,642.36	6,405		.92	96
Frontenac			18,205.47		11,646.56		29,852.03	34,826			52
Grey	3,339.62		5,651.88		4,155.43		13,056.93	7,617		1.06	73
Haldimand			12,488.33		2,022.92		14,511.25	15,445			81
Hatton and Peel			10,451.13		7,610.67		18,061.80	14,322			73
Hamilton	5,933.29		61,377.77		23,553.45		90,866.51	70,456		1.20	87
Hastings			32,229.87		14,320.51		46,550.38	46,142			70
Huron			1,752.38		5,611.58		7,373.96	2,730			65
Kenora			8,608.59		2,166.25		10,774.84	11,816			73
Kenyon	10,297.81		3,827.81		5,770.10		19,895.72	4,357		.84	88
Lambton			12,454.34		10,985.58		23,440.02	15,734			79
Lambton Kent			10,600.90		2,967.75		13,568.74	19,653			54
Leeds and Grenville	8,345.67		23,783.15		7,707.91		39,836.76	35,400		1.16	67
Levesque and Addington			19,644.53		3,063.10		11,697.81	13,108			62
London			6,132.26		4,012.63		25,786.79	25,314			78
London and Middlesex	11,836.88		44,012.63		13,322.56		69,171.47	59,094		1.00	74
Manitoba			1,096.91		578.19		1,675.10	1,460			60
Maskokan			964.66		2,310.10		3,274.76	1,874			53
Mississauga	3,691.75		14,693.74		3,509.65		21,895.14	19,119		.91	76
Norfolk			26,436.62		5,239.14		31,675.76	30,718			86
Northumberland and Durham	4,304.22		11,449.71		3,474.51		19,228.44	16,528		1.20	69
Ontario	8,365.37		13,325.60		4,939.09		26,630.06	18,775		.99	71
Ottawa and Carleton			127,024.80		49,552.23		176,580.03	157,038			80
Oxford	468.54		9,488.83		6,287.30		16,244.67	15,718			81
Parry Sound	2,835.77		2,137.62		3,352.44		8,325.83	3,498		.77	51
Perth	1,686.51		3,490.93		4,903.93		10,081.37	6,563		2.38	53
Peterborough	3,750.50		9,303.82		4,943.30		17,997.62	14,574		1.05	64
Port Arthur	5,364.91		8,371.10		3,247.97		16,983.98	14,155		.91	59
Prescott and Russell			11,397.33		6,008.27		17,405.60	20,167			57
Prince Edward			7,650.76		2,184.80		9,835.56	11,139			56
Rainy River			13,506.65		1,746.43		15,253.08	20,481			66
Renfrew			7,323.53		9,032.63		19,645.05	12,067		.90	61
Simcoe	9,667.71		21,840.15		7,626.28		39,134.14	31,255		1.18	70
Stormont, Dundas and Glengarry			17,492.41		9,516.43		27,448.84	31,091			58
Sudbury			8,342.00		6,858.73		26,758.35	10,744		1.07	78
Temiskaming	11,557.62		22,094.06		5,771.96		29,669.29	29,639			75
Toronto	15,705.41		275,579.31		54,367.85		315,652.57	323,826		2.03	84
Victoria and Haliburton			12,340.59		8,468.42		20,809.01	18,716			66
Waterloo	6,811.01		11,920.28		5,198.67		23,929.96	14,206		.52	84
Welland			16,186.29		8,999.50		31,789.12	22,731		1.38	71
Wellington			22,372.85		6,830.58		33,251.77	33,932			66
Wentworth			9,212.55		6,736.95		15,949.59	12,256		1.57	75
Windsor (Protestant)	44,689.41		44,689.41		12,110.00		56,799.41	56,878			79
Windsor (Roman Catholic)	33,601.58		33,601.58		8,554.24		51,513.58	39,383		1.50	85
York	5,440.90		68,412.26		13,576.44		87,429.60	90,261			76
R.C. St. Vincent de Paul	4,793.67		95,478.96		7,377.88		107,650.51	113,439		3.56	84
TOTALS	175,037.72		1,297,214.63		438,441.44		1,880,693.79	1,663,429		1.05	70

**ORPHANAGES**  
**COST OF MAINTENANCE**

NAME OF ORPHANAGE	LOCATION	TOTAL COLLECTIVE DAYS' STAY OF RESIDENTS	TOTAL COST OF DETARIES	OTHER MAINTENANCE COST	TOTAL MAINTENANCE COST	AVERAGE COST OF EACH RESIDENT PER DAY
			\$ C.	\$ C.	\$ C.	\$ C.
St. Joseph's Orphanage.....*	Cobourg	8,187	1,162.67	5,769.83	6,932.50	85
Nazareth Orphanage.....	Cornwall	25,980	6,666.13	6,654.38	13,320.51	83
St. Joseph's Orphanage.....	Fort William	40,607	3,892.53	35,815.41	39,707.94	88
Girls' Home.....	Hamilton	12,747	7,528.75	17,737.82	25,266.57	92
Home of the Friendless and Infants' Home.....	Hamilton	14,962	4,719.23	12,709.07	17,428.30	117
St. Mary's Orphan Asylum.....	Hamilton	37,367	11,429.72	35,161.85	46,591.57	124
Salvation Army Rescue Home.....	Hamilton	10,444	4,424.77	14,880.24	19,305.01	175
St. Joseph's Orphanage.....	Hearts	16,944	2,614.51	9,311.55	11,926.06	70
Home of Friendless Women and Infants.....	Kingston	7,670	1,077.15	7,149.21	8,226.36	68
Orphans' Home and Widows' Friend Society.....	Kingston	8,113	1,274.29	7,449.22	8,723.51	103
St. Mary's of the Lake Orphanage.....	Kingston	11,415	2,925.51	10,107.18	12,422.69	108
Mount St. Joseph's Orphanage.....	London	16,904	3,916.48	28,938.36	32,854.84	219
Protestant Orphans' Home.....	London	15,767	2,916.48	7,370.61	10,814.79	66
Ronald Roy Gray Memorial Home.....	London	9,763	3,715.08	10,242.24	14,000.92	144
Salvation Army Rescue Home.....	London	12,668	4,242.68	12,403.68	16,922.36	185
Protestant Children's Village.....	London	11,914	2,928.08	16,973.68	19,922.36	142
St. Joseph's Orphanage.....	Ottawa	86,573	17,362.10	31,493.86	49,553.96	58
St. Patrick's Home.....	Ottawa	20,749	3,608.40	16,930.26	20,538.66	99
Salvation Army Rescue Home.....	Ottawa	18,164	2,623.37	5,232.36	7,855.73	40
St. Vincent's Orphanage.....	Peterborough	5,648	2,259.89	6,452.98	8,712.87	114
Loyal True Blue and Orange Home.....	Richmond Hill	41,953	7,272.65	22,068.57	29,341.22	70
St. Agatha.....	St. Catharines	20,184	2,369.43	5,317.14	7,686.57	43
Protestant Orphans' Home.....	St. Catharines	8,158	4,690.13	5,965.35	8,762.48	94
D'Youville Orphanage.....	Sudbury	19,981	1,123.36	8,559.88	12,684.46	63
Catholic Welfare Bureau.....	Toronto	40,088	27,762.27	14,890.92	41,953.29	104
Carmelite Orphanage.....	Toronto	15,237	2,975.48	19,716.71	22,477.95	147
Infants' Home.....	Toronto	140,587	571.48	153,405.33	153,976.81	109
Jewish Children's Bureau.....	Toronto	33,264	23,322.48	17,622.11	40,944.29	104
Pentecostal Home for Girls.....	Toronto	3,166	1,181.92	3,778.31	4,960.23	156
Protestant Children's Home.....	Toronto	73,205	5,543.16	77,406.86	77,406.86	98
St. Mary's Infants' Home.....	Toronto	12,686	4,671.28	9,753.66	15,276.82	120
Sacred Heart Orphanage.....	Toronto	17,117	2,043.28	7,637.35	12,308.63	72
Hunewood House.....	Toronto	6,865	2,128.23	7,774.53	9,818.40	143
Salvation Army Children's Home.....	Toronto	18,250	7,423.52	7,901.10	9,551.75	84
Victor Home for Women.....	Toronto	18,533	6,730.76	44,631.86	44,631.86	73
Working Boys' Home.....	Toronto	10,745	5,428.50	9,851.24	15,275.74	151
Kitchener and Waterloo Orphanage.....	Toronto	4,327	1,928.11	7,562.41	8,790.52	59
Faith Haven.....	Windsor	7,008	2,436.77	10,960.97	13,391.74	191
TOTALS.....		899,083	196,835.78	674,909.50	871,745.37	.....

ORPHANAGES (Cont'd)  
RESIDENTS

NAME OF ORPHANAGE	LOCATION	NUMBER OF BEDS	NUMBER OF RESIDENTS ON JAN. 1, 1942	NUMBER ADMITTED DURING YEAR	TOTAL NUMBER UNDER LODGEMENT DURING YEAR	TOTAL NUMBER DISCHARGED DURING YEAR	NUMBER OF DEATHS DURING YEAR	NUMBER REMAINING IN DEC. 31, 1942
St. Joseph's Orphanage.....	Cobourg.....	28	20	12	32	9	.....	23
Nazareth Orphanage.....	Cornwall.....	60	73	86	159	98	.....	61
St. Joseph's Orphanage.....	Fort William.....	140	131	46	177	65	.....	112
Boys' Home.....	Hamilton.....	60	36	32	68	31	.....	37
Girls' Home.....	Hamilton.....	60	33	9	44	11	.....	33
Home of the Friendless and Infants' Home.....	Hamilton.....	100	49	97	146	145	1	101
St. Mary's Orphan Asylum.....	Hamilton.....	140	99	79	178	77	.....	20
St. Anthony's Army Rescue Home.....	Hamilton.....	32	31	143	174	155	1	20
St. Joseph's Orphanage.....	Hearst.....	99	122	112	234	40	.....	194
St. Joseph's Home and Widows' Friend Society.....	Kingston.....	20	15	23	38	26	.....	12
Home of Friendless Women and Infants (now Hedgewood Home).....	Kingston.....	36	36	40	76	47	.....	26
Mount St. Joseph Orphanage.....	Kingston.....	29	28	37	65	41	.....	24
Protestant Orphans' Home.....	London.....	150	96	60	156	60	.....	96
Mount St. Joseph Orphanage.....	London.....	55	37	16	53	11	.....	44
Ronald Roy Gray Memorial Home.....	London.....	26	25	19	44	18	.....	26
Salvation Army Rescue Home.....	London.....	25	34	131	165	137	.....	28
Protestant Children's Village.....	Ottawa.....	50	40	209	249	220	.....	29
St. Joseph's Orphanage.....	Ottawa.....	263	243	271	514	266	.....	247
St. Patrick's Home.....	Ottawa.....	74	60	96	156	96	1	60
Salvation Army Rescue Home.....	Ottawa.....	61	41	152	193	139	.....	54
St. Vincent's Orphanage.....	Peterborough.....	35	15	16	31	8	.....	19
Loyal True Blue and Orange Home.....	Richmond Hill.....	200	105	21	126	12	.....	118
St. Agatha Orphans' Home.....	St. Agatha.....	86	50	30	80	27	.....	53
Protestant Orphans' Home.....	St. Catharines.....	31	19	11	30	8	.....	22
Youville Orphanage.....	Sudbury.....	60	57	53	110	54	.....	56
Carmelite Orphanage.....	Toronto.....	58	39	24	63	19	.....	44
Catholic Welfare Bureau.....	Toronto.....	.....	145	122	267	162	.....	105
Infants' Home and Infirmary.....	Toronto.....	.....	341	628	969	571	2	396
Jewish Child Welfare.....	Toronto.....	.....	108	45	153	66	.....	153
Pentecostal Bethel Home.....	Toronto.....	.....	7	39	46	40	.....	6
Protestant Children's Home.....	Toronto.....	15	193	507	700	471	.....	229
Humewood House.....	Toronto.....	50	28	200	228	195	1	32
St. Mary's Infants' Home.....	Toronto.....	19	17	76	93	74	.....	93
Sacred Heart Orphanage.....	Toronto.....	85	43	22	65	18	.....	47
Working Boys' Home.....	Toronto.....	55	48	107	155	100	.....	55
Salvation Army Children's Home.....	Toronto.....	35	26	13	39	15	.....	24
Victor Home for Women.....	Toronto.....	49	56	126	182	127	.....	55
Kitchener and Waterloo Orphanage.....	Waterloo.....	47	34	40	74	27	.....	47
Faith Haven.....	Windsor.....	20	39	120	159	121	.....	38
TOTALS.....	.....	2,353	2,621	3,870	6,491	3,805	6	2,838

### ORPHANAGES (Conc'd) RECEIPTS

NAME OF ORPHANAGE	LOCATION	RECEIPTS FROM PAYING RESIDENTS		RECEIPTS FROM MUNICIPALITIES FOR INDIGENT RESIDENTS		GRANTS FROM MUNICIPALITIES, FEDERAL GOVERNMENT, ETC.		PROVINCIAL GRANT		RECEIPTS, INVESTMENTS, ENDOWMENTS, DONATIONS, ETC.		TOTAL RECEIPTS	
		\$	C	\$	C	\$	C	\$	C	\$	C	\$	C
St. Joseph's Orphanage	Cobourg	1,512.25		111.00		385.30		1,100.95		1,810.28		6,200.88	
Nazareth Orphanage	Corwall	1,888.57						1,361.10		8,192.10		19,982.97	
St. Joseph's Orphanage	Fort William	3,806.20		1,080.83		11,782.40		1,940.75		15,103.35		31,327.73	
Girls' Home	Hamilton	1,339.62		3,698.18				679.65		6,359.30		11,621.53	
Home of the Friendless and Infants' Home	Hamilton	780.75		7,132.91				1,415.45		6,405.47		10,823.33	
St. Mary's Orphan Asylum	Hamilton	6,712.92		7,996.22				1,929.00		11,017.35		30,272.41	
Salvation Army Rescue Home	Hamilton	11,383.41						815.90		3,512.80		19,701.11	
St. Joseph's Orphanage	Heast	1,500.15		180.00		1,452.41		838.10		1,368.96		7,361.05	
Orphans' Home and Widows' Friend Society	Kingston	1,988.48						409.25		7,288.12		8,784.85	
St. Mary's of the Lake Orphanage	Kingston	1,637.24		1,735.90		1,550.95		1,255.25		3,891.50		11,003.90	
Home of Friendless Women and Infants (now Hedgewood Home)	Kingston	1,051.50				175.00		477.15		3,695.49		5,372.11	
Mount St. Joseph Orphanage	London	2,432.23		2,391.70				1,756.70		18,062.22		25,715.85	
Protestant Orphans' Home	London	4,475.25		1,800.00				813.80		7,605.14		11,000.00	
Ronald Roy Gray Memorial Home	London	3,806.62						1,311.80		905.59		5,981.06	
Salvation Army Rescue Home	London	8,890.61		500.00				1,567.70		3,229.29		14,117.33	
Protestant Children's Village	Ottawa	3,439.43		825.00				1,333.10		12,801.71		17,719.81	
St. Joseph's Orphanage	Ottawa	11,020.11		9,960.60				4,573.15		11,256.68		42,822.57	
St. Mary's Home	Ottawa	2,003.15		988.50				1,213.70		16,115.07		21,250.37	
St. Patrick's Home	Ottawa	3,592.62		2,703.39				1,763.10		13,188.52		19,010.51	
Salvation Army Rescue Home	Ottawa	1,085.15		2,305.25				380.25		3,880.86		6,780.52	
St. Vincent's Orphanage	Peterborough	6,153.81						1,029.95		20,011.15		28,191.91	
Local True Blue and Orange Home	Redmond Hill	2,085.50						918.10		1,535.50		3,599.10	
St. Agatha Orphans' Home	St. Catharines	2,912.15						111.90		5,505.87		7,929.02	
Protestant Orphans' Home	St. Catharines	13,650.35						998.75		5,379.77		19,111.87	
Yonville Orphanage	Sudbury	1,680.49		20.00				912.65		5,679.67		13,051.24	
Catholic Welfare Bureau	Toronto	26,880.17		15,371.61				837.35		10,843.32		21,808.67	
Charliffe Orphanage	Toronto	1,402.81		8,147.60				6,263.65		51,712.01		109,121.11	
Infants' Home and Infirmary	Toronto	26,805.63		61,251.58		6,500.00		2,098.55		30,135.68		133,197.37	
Jewish Children's Home	Toronto	26,805.63						279.35		2,991.46		1,871.11	
Protestant Children's Home	Toronto	3,165.77		11,244.40				3,753.00		29,252.11		71,115.13	
St. Mary's Infants' Home	Toronto	3,165.77		1,306.35				817.00		11,117.86		11,156.78	
St. Mary's Orphanage	Toronto	7,065.05		7,619.00				585.45		8,907.57		13,261.97	
St. Mary's Orphanage	Toronto	1,380.50						921.60		950.42		10,950.92	
Home of the Friendless	Toronto	2,011.91						1,305.40		1,017.07		6,352.17	
Home of the Friendless	Toronto	17,147.30		400.00				1,322.15		9,746.50		13,066.93	
Victory Home	Toronto	1,205.69		300.00				515.65		4,485.77		9,237.11	
Working Boys' Home	Windsor	5,922.30						1,277.70		4,676.21		12,176.21	
Kidderminster Orphanage	Windsor												
Earth Haven	Windsor												
TOTALS		204,641.38		147,315.86		27,146.00		59,009.95		373,601.49		811,714.77	



HOUSES OF REFUGE AND HOMES FOR THE AGED

January 1 to December 31, 1942

County Houses of Refuge or Homes for the Aged

FINANCIAL STATEMENT

RECEIPTS

NAME	LOCATION	COUNTY	FARM, GARDEN, STOCK, ETC.	INTEREST, DONATIONS, BROTHERS, LOANS, ETC.		MUNICIPALITIES	PAYING RESIDENTS	PENSIONERS, BLIND OR O.A.P.		PROVINCIAL GOVERNMENT	NET LOSS	ALL OTHERS	CASH ON HAND, JAN. 1, 1942	TOTAL
				\$	c.			\$	c.					
Brant	Brantford	844.21		11,248.13		1,114.91		5,116.38					1,290.83	17,574.07
Bruce	Walkerton	3,298.69	1,983.71	4,182.12				1,873.36						15,665.81
Edgin	St. Thomas	5,345.23	2,147.15					3,891.32						9,365.74
Essex	Leamington	11,960.20	2,551.89	27.00				4,662.26						19,400.66
Grey	Markdale	4,965.67	1,746.50			2.4	10.30	2,538.00		16.00		1.00		14,852.32
Haldimand	Dunnville	4,582.55	2,152.08					7,711.00				216.30		22,021.58
Hastings	Belleville	8,685.55	4,813.85					1,257.88						21,589.66
Huron	Clinton	11,026.88	5,258.18	25.51				2,509.09						21,017.75
Kent	Chatham	12,110.04	847.95					6,432.00						14,422.69
Lambton	Sarnia	10,865.69	878.35					2,000.00						21,173.21
Lanark	Perth	2,390.91	1,556.31					7,776.40		156.32	698.78			8,891.48
Leeds and Grenville	London	4,256.27	5,077.33	400.00				1,834.00						24,075.42
Lincoln	St. Catharines	10,065.21	5,077.33					4,593.97						12,666.78
Middlesex	Strathroy	9,254.82	1,186.76			3,781.39								19,113.04
Norfolk	Simcoe	7,800.00	716.94					225.00						22,195.51
Northumberland and Durham	Colongue	13,133.69	1,457.51			4,541.79		7,000.00						35,845.01
Oxford	Whitby	11,931.00	7,179.61					4,411.00						29,341.71
Peel and Halton	Woodstock	5,238.42	4,231.24			3,047.45		2,409.75						13,793.65
Perth	Brampton	11,400.00	487.79			2,383.55		5,201.83						587.27
Peterborough	Stratford	5,123.43	763.93			1,843.81		1,155.00						13,793.65
Prince Edward	Lakefield	2,347.92	982.69					2,134.00						5,849.61
Simcoe	L. Original	10,889.43	1,211.45	163.48				3,400.00						15,560.88
Stornont, Dundas and Glengarry	Preton	4,060.11	1,597.80					84.00						10,658.76
Victoria	Beeton	8,473.97	2,767.68					4,847.00						21,481.30
Waterloo	Cornwall	15,690.00	9,272.88	128.07				2,225.18						33,665.77
Welland	Lindsay	6,316.47	5,401.96			1,248.91		863.76						18,787.37
Wellington	Kitchener	36,261.16	4,413.24					4,415.27		511.00				54,615.71
Wentworth	Welland	13,933.69	842.52			1,717.34		3,462.92						19,016.19
York	Fergus	10,469.64	75.00					62.38						16,219.46
	Dundas	9,785.05	2,853.55					1,584.36						17,724.46
	Newmarket	11,480.05	2,853.55					2,146.25						1,104.00
<b>TOTALS</b>		289,214.12	75,099.81	5,851.43		42,699.40	39,366.72	152,417.24		1,413.62	1,976.99	3,732.98	1,797.10	613,599.41

FINANCIAL STATEMENT (Cont'd)  
DISBURSEMENTS

NAME	LOCATION	BUILDINGS AND REPAIRS		CLOTHING, SHOES, ETC.		FARM, GARDEN, SUPPLIES, EQUIPMENT		FARM, FEED, STOCK, ETC.		FOOD AND PROVISIONS		FUEL AND HEATING		FUNERAL EXPENSES, RESIDENTS		HOUSE FURNISHINGS, BEDDING, LAUNDRY, ETC.		INSURANCE, PREPAID OR UNEXPIRED		INTEREST, MORTGAGES, OVERDRAFTS, ETC.		LIGHT AND POWER		
		\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	
Brant	Brantford	413.93		491.71		733.31		288.50		4,620.62		1,385.52		103.00		522.01		411.11				226.58		
Bruce	Walkerton	787.53		557.44		479.57		1,412.51		4,593.07		1,294.90				577.00		49.35				300.74		
Eggn.	St. Thomas	820.51		390.51		833.50		310.96		1,567.16		1,878.53				164.15		311.60				199.00		
Essex	Leamington	1,003.38		756.96		2,410.48		867.52		4,633.12		1,420.12		195.00		2,081.98		338.78				246.37		
Grey	Markdale	869.86		469.53		1,461.15		736.16		4,360.80		1,650.07		190.35		953.50		235.92				337.35		
Haldimand	Dunnville	169.15		498.71		1,230.33		645.64		2,182.21		1,489.55		46.00		536.75						361.67		
Hastings	Belleville	865.88		709.96		4,997.70		2,480.42		7,095.41		2,459.50		159.50		895.10		123.76				252.69		
Huron	Clinton	3,430.95		935.71		3,052.42		861.21		7,093.41		1,361.38		350.00		706.93		199.96				695.12		
Kent	Chatham	2,252.68		848.15		228.18		954.21		5,234.92		1,668.22		34.00		1,169.92						293.36		
Lambton	Sarnia	3,045.65		479.05		82.08		532.26		5,001.64		1,113.38		80.55		366.82						136.75		
Lanark	Perth	785.10		1,270.55		145.20		1,452.14		7,372.68		1,487.02		317.00		997.77		304.25				520.90		
Leeds and Greenvile	Athens	797.09		369.29		77.50		783.55		1,734.39		1,707.94		142.00		290.64						116.82		
Lincoln	St. Catharines	3,252.02		1,163.04		2,211.38		1,748.41		4,705.11		1,293.42				790.39		517.95				492.83		
Middlesex	Stratroy	219.32		292.40		212.55		746.03		3,410.01		1,572.73				879.38		144.70				723.89		
Norfolk	Simcoe	1,248.45		1,065.56		915.67		915.68		4,709.79		1,717.52		347.40		1,419.22		296.60				271.89		
Northumberland and Durham	Colourg	1,370.47		702.93		717.35		717.36		8,472.62		1,902.93		182.00		638.51		184.30				932.43		
Ontario	Whitby	403.58		1,715.15		1,568.27		4,232.13		12,693.49		2,467.22		368.00		2,602.88		170.19				1,378.79		
Peel and Halton	Woodstock	214.69		459.07		1,794.55		1,794.56		4,131.62		1,857.45		100.00		653.28						465.48		
Peterborough	Brampton	9,982.73		1,734.42		1,562.59		930.38		6,640.99		1,741.19		190.50		1,059.37		288.25				311.92		
Prescott and Russell	Stratford	934.76		1,414.34		113.20		997.89		5,146.60		1,339.91		225.00		251.52		125.00				338.82		
Prince Edward	Lakefield	148.94		233.91		233.91		233.90		1,287.02		958.87				156.55		190.99				171.48		
Simcoe	L. Original	383.14		373.26		373.26		373.26		2,329.33		1,756.94		20.00		702.12		59.15				361.26		
Stornont, Dundas and Glengarry	Beeton	912.42		383.16		342.10		1,329.35		2,285.47		783.32		203.00		160.25						253.45		
Victoria	Beeton	1,139.76		900.74		78.16		1,532.72		7,328.03		2,032.29		105.50		627.45						681.14		
Waterloo	Corwall	3,189.28		676.46		52.66		5,003.84		9,442.27		1,344.51		403.00		1,585.31		170.84				464.88		
Welland	Landsey	740.35		652.00		839.77		3,901.04		11,441.00		4,883.69		125.00		924.30						1,406.84		
Wellington	Kitchener	2,158.22		2,595.80		3,088.96		4,364.25		6,244.31		2,063.29				965.75		800.29				700.38		
Wentworth	Welland	3,983.30		847.51		746.45		889.68		2,783.66		1,647.77		226.00		627.96						212.41		
York	Dundas	342.47		552.97		300.72		279.67		4,449.55		825.42										637.67		
	Newmarket	1,104.70		1,115.38		1,179.79		1,179.80		2,989.15		2,253.80										67.35		
TOTALS		49,579.02		25,493.87		27,372.26		41,815.31		161,291.08		52,631.72		4,315.30		25,100.76		6,992.21				2,312.41		13,616.65

FINANCIAL STATEMENTS (Concl'd)  
DISBURSEMENTS (Concl'd)

NAME	LOCATION	PHYSICIAN'S SALARY	DENTIST, DRUGS, SPIRITS, SURGICAL OR MEDICAL SUPPLIES	PENSION REFUNDS	SALARIES—SUPERINTENDENT AND MATRON	STATIONERY, OFFICE SUPPLIES		TAXES		TELEPHONE, TELEGRAPH, FREIGHT, ETC.	WAGES—ALL EMPLOYEES, BOARD OF MANAGEMENT	WATER AND ICE	ALL OTHERS	CASH ON HAND, DEC. 31, 1942	TOTAL
						\$	c.	\$	c.						
Brant	Brantford	600.00	212.00		2,100.00	38.34				78.11	3,509.80	77.11	1,264.40	1,045.07	17,574.07
Bruce	Walkerton	200.00	384.78	379.37	1,416.76	75.07				93.86	2,239.93	10.25	1,765.94	15,605.81	
Elgin	St. Thomas	270.00	45.74	60.00	1,978.75						965.49		268.83	9,365.74	
Essex	Leamington	300.00	493.96	380.00	1,450.00	22.33		82.94			2,623.27			19,400.66	
Grey	Markdale	300.00	646.72		1,369.88	84.31					1,362.98	181.80	872.12	14,852.32	
Haldimand	Dunnville	200.00	113.08	55.41	660.00	99.05					1,933.64	75.00	94.94	10,250.91	
Hastings	Bellefleur	400.00	146.17	808.15	1,450.00	141.25					2,583.00	333.00	69.02	22,021.58	
Huron	Port Hope	360.00	269.39	379.50	1,391.67	22.22					2,427.70		1,297.89	24,589.06	
Kent	Chatham	400.00	545.47	881.90	1,302.95	66.38					3,390.35	389.01		14,422.69	
Lambton	Sarnia	300.00	134.07	200.00	1,707.24	41.90					1,317.20	113.45		21,173.21	
Leeds and Grenville	Perth	400.00	674.06	74.72	1,500.00	12.00		176.00			3,091.38	92.14	365.50	8,894.08	
Lincoln	Alexandria	225.00	197.17	88.00	1,399.84	45.31					1,235.00	164.00	326.04	24,075.42	
Middlesex	St. Catharines	230.00	384.30	958.39	1,485.75	38.82					4,069.99		63.00	12,666.78	
Norfolk	Strathroy	300.00	220.54		2,750.00						2,303.54		324.75	19,113.04	
Northumberland and Durham	Simcoe	350.00	1,175.00	85.69	1,175.00	65.40					1,567.67	320.00	98.05	22,195.51	
Oxford	Whitby	617.46	385.77	1,040.64	1,666.68	41.04					3,782.48	265.13	757.77	35,845.01	
Peel and Halton	Woodstock	400.00	387.28	279.00	1,800.00						1,669.60	303.91	181.36	29,326.59	
Perth	Brantford	400.00	294.80		1,800.00	81.29					702.15	100.00	493.71	17,541.74	
Peterborough	Stratford	500.00	383.82		1,888.08	60.55					2,328.33		233.79	13,793.75	
Peterborough	Lekeford	500.00	131.24	226.00	328.48						556.80	53.50		5,849.61	
Prescott and Russell	Lekeford	300.00	126.58		1,200.00	68.91					4,823.90	5.00		15,560.88	
Prince Edward	Picton	300.00	249.07	50.00	1,500.00						2,438.57		77.80	10,658.76	
Simcoe	Beeton	295.00	394.50	838.94	1,966.66	9.25		15.44			1,947.00	342.00	803.07	21,481.30	
Stromont, Dundas and Glengarry	Corwall	225.00	370.71	471.50	2,100.00	6.32					3,020.96	225.00	824.62	33,665.77	
Victoria	London	270.00	320.91		1,260.00						2,312.50	265.22		18,787.37	
Waterloo	Kitchener	600.00	1,250.72	1,565.50	2,700.00	144.40		587.69			14,843.80	421.87	879.84	54,615.71	
Wellington	Welland	212.50	309.42		1,333.32	146.34					2,120.43	112.48		21,371.62	
Wellington	Ferris	250.00	281.02		1,650.00	47.86					2,233.40		626.37	19,016.19	
Wentworth	Dundas	300.00	159.94	396.65	1,389.94						3,825.20	476.15	3,152.69	17,724.46	
York	Newmarket	500.00	964.13		2,089.96	76.37					4,992.32		1,946.89	21,102.42	
TOTALS		10,279.96	11,014.69	9,420.01	48,800.96	1,479.47	862.07	2,611.21	4,324.02	15,911.81	88,878.56	4,324.02	9,434.06	613,599.41	

STATISTICAL REPORT

NAME	LOCATION	NUMBER RESIDENTS JAN. 1, 1912	NUMBER OF ADMIS- SIONS	TOTAL ADMIS- SIONS INCLU- DING JAN. 1	NUMBER DIS- CHARGED, 1912	NUMBER DEATHS, 1912	NUMBER RESI- DENTS, DEC. 31, 1912	AVERAGE NUMBER RESI- DENTS, 1912	NUMBER RESIDENTS, 1912		NUMBER PAYING RESI- DENTS, 1912	NUMBER PAID BY RESI- DENTS, 1912	NUMBER RESI- DENTS, 1912	NUMBER PENSION- ERS, 1912	RESI- DENTS, DAYS, NON- PENSION- ERS
									MALE	FEMALE					
Brant	Brantford	89	28	117	17	11	89	87	77	2	72	43	30,009	12,637	
Bruce	Walkerton	33	22	55	12	1	33	35	35	10	39	28	7	18,435	
Elgin	St. Thomas	35	26	61	8	6	28	28	25	3	31	24	2	21,233	
Essex	Leamington	80	47	127	8	9	89	86	79	5	74	27	12	18,026	
Grey	Markdale	56	17	73	8	1	59	42	45	1	36	12	1	11,571	
Haldimand	Denbigh	57	32	89	10	7	49	81	33	6	63	25	19	19,138	
Hastings	Dumfriesville	65	42	107	10	8	95	95	59	11	103	12	26	26,230	
Huron	Charlton	88	18	106	28	12	88	76	91	1	93	33	20	20,164	
Kenil	St. Catharines	106	48	154	17	16	53	51	47	1	51	9	16	9,888	
Lambton	St. Catharines	66	26	92	17	17	90	93	40	7	36	33	24	24,930	
Lambton	St. Catharines	12	11	23	3	2	42	37	37	1	40	13	10	2,318	
Leeds and Grenville	St. Catharines	63	10	73	18	8	60	58	53	1	16	23	15	15,066	
Lincoln	Strathroy	78	40	118	6	9	73	78	60	2	78	8	24	24,629	
Madison	Strathroy	68	26	94	22	6	66	62	66	2	68	24	16	16,780	
Northumberland and Durham	Cobourg	99	39	138	11	25	99	101	73	1	105	32	28	28,125	
Ontario	Whitby	122	36	158	19	16	123	123	115	4	101	48	31	31,120	
Oxford	Woodstock	68	19	87	6	9	72	87	57	30	69	18	18	19,519	
Peel and Halton	Brantford	110	28	138	6	13	119	113	84	16	138	46	24	27,314	
Perth	Perth	75	10	85	3	10	72	72	51	5	74	24	18	18,777	
Peterborough	Lakefield	18	11	29	3	4	22	29	24	5	29	8	5	5,090	
Prescott and Russell	LeOzard	55	5	60	5	2	53	57	39	3	47	13	16	16,256	
Prince Edward	Pictou	53	12	65	6	5	56	53	36	31	67	25	12	12,036	
St. Catharines	Barton	99	27	126	10	7	109	111	95	4	111	28	31	31,550	
Stormont, Dundas and Glengarry	Cornwall	87	33	120	8	19	93	91	76	4	89	27	25	25,812	
Victoria	London	70	16	86	5	10	71	71	60	7	86	41	27	17,764	
Waterloo	Waterloo	181	29	210	13	18	179	181	146	64	210	53	49	49,883	
Welland	Welland	70	21	91	18	4	69	66	64	2	91	54	23	18,068	
Wellington	Enniskillen	80	14	94	11	8	75	79	42	52	94	39	39	19,511	
Wentworth	Dundas	58	21	79	9	6	64	60	52	28	79	46	30	13,554	
York	Newmarket	84	16	100	12	7	81	81	71	1	100	71	28	22,032	
TOTALS		2,365	603	2,968	314	286	2,333	2,346	1,948	119	1,960	809	626,178		

STATISTICAL REPORT (Concl'd)

NAME	LOCATION	RESI- DENTS DAYS STAY, PENSION- ERS	TOTAL DAYS STAY	NUMBER BEDS IN DORMI- TORY	NUMBER BEDS MADE UP	NUMBER PROTES- TANTS	NUMBER CATHO- LICS	OTHER REFUG- EES OR NOT KNOWN	CANA- DIAN	ENGLISH	HISP	SCOTCH	UNITED STATES	ALL OTHERS	AVERAGE COST PER DIEM PER RESI- DENT
Brant	Brantford	11,626	31,655	90	89	106	10	1	81	25	3	1	1	6	55
Bruce	Walkerton	7,232	19,889	65	61	69	8	1	72	4	.....	1	.....	6	78
Edin	St. Thomas	1,905	10,310	40	35	37	1	.....	29	5	.....	2	1	1	92
Essex	Georgetown	7,093	31,326	81	89	76	30	.....	81	10	1	3	3	10	62
Grey	Markdale	3,774	25,400	81	71	91	2	.....	72	9	3	2	2	3	58
Haldimand	Brantville	3,751	15,328	44	44	45	1	.....	45	1	.....	.....	.....	3	67
Hastings	Rockville	11,649	30,787	106	95	98	13	25	107	4	.....	2	.....	3	72
Huron	Clinton	8,413	31,663	95	95	74	4	10	91	5	.....	3	.....	1	71
Kenit	Chatham	7,109	27,573	100	88	103	15	1	106	7	.....	3	.....	1	88
Laurel	Sturton	2,780	19,768	60	60	61	2	.....	55	7	.....	1	.....	2	66
Leeds and Grenville	Perth	9,041	33,971	110	98	102	22	1	105	9	.....	3	1	1	73
Lincoln	Adrian	3,330	13,578	60	42	51	4	.....	43	1	.....	3	.....	2	63
Middlesex	St. Catharines	6,079	21,145	67	60	65	15	.....	46	16	4	.....	3	1	66
Norfolk	Stratford	2,463	27,092	125	75	88	.....	.....	72	13	.....	.....	.....	1	71
Northumberland and Durham	Stirling	3,753	22,533	66	66	89	1	1	86	2	.....	.....	1	3	47
Ontario	Whitby	13,581	44,774	135	130	135	21	37	70	29	2	19	.....	3	85
Oxford	Woodstock	3,092	24,611	70	72	81	3	2	112	28	.....	7	.....	2	61
Peel and Halton	Brantford	13,672	41,016	128	119	127	7	.....	61	21	.....	.....	1	2	81
Peterborough	Stratford	7,387	26,164	70	72	76	9	4	72	36	.....	6	8	2	72
Prescott and Russell	Lakeland	1,538	7,028	45	30	37	2	.....	25	7	.....	1	.....	3	33
Prince Edward	London	7,496	20,752	60	55	52	.....	.....	60	.....	.....	.....	.....	.....	45
Simcoe	Factoria	7,164	19,200	61	60	3	.....	.....	60	.....	.....	.....	.....	.....	75
Stormont, Dundas and Glengarry	Berlin	9,011	40,564	116	115	112	11	.....	96	16	6	6	.....	2	53
Victoria	Cornwall	7,494	33,306	100	93	71	21	28	108	5	.....	.....	4	1	91
Waterloo	London	8,129	25,893	87	75	77	9	.....	76	8	.....	.....	.....	1	73
Welland	Kitchener	16,000	63,883	188	188	151	14	15	169	15	.....	3	.....	18	83
Wellington	Welland	9,111	34,479	70	70	63	25	3	41	8	.....	3	2	3	89
Wentworth	Ferris	8,148	28,657	80	80	87	7	.....	75	12	.....	.....	.....	2	66
York	Dundas	8,208	21,852	70	64	79	.....	.....	36	.....	.....	.....	.....	.....	49
	Newmarket	8,568	30,600	100	100	95	5	.....	80	11	.....	3	1	2	72
TOTALS		230,275	856,453	2,666	2,499	2,441	425	127	2,314	355	71	71	57	139	73

City and District Refuges or Homes for the Aged  
FINANCIAL STATEMENT—RECEIPTS

NAME	LOCATION	CASH ON HAND, DEC. 31, 1941	BOARD OF MANAGEMENT, DIRECTORS OR CITIES	FARM, GARDEN STOCK, ETC.	INTEREST, DONATIONS, REQUESTS, LOANS, ETC.	MUNICIPALITIES	PAYING RESIDENTS	PENSIONERS, BOARD OF O.C.A.F.	PROVINCIAL GOVERNMENT	ALL OTHERS	NET LOSS	TOTAL	
													\$
I.O.O.F. Home	Barrie												
Home of the Aged	Bellefleur				11,202.76			3,701.00	576.60		915.31	43,332.50	
St. Joseph's Villa	Blind River				109.80	1,075.00		2,880.00	338.90			3,337.31	
The Widows' Home	Brantford					2,113.8	7,15.27	2,891.96	1,917.30	2,077.61		9,461.31	
Home of the Friendless	Charlottetown						1,427.00	2,100.00	323.30			6,697.02	
St. Paul's Home	Charlottetown						1,691.50	2,903.60	565.10			9,238.80	
Home of Providence	Chatham			1,836.21	1,801.35	5,700.00	10,169.50	8,173.60	2,631.90			23,401.38	
The Elphinst Home	Chatham				2,322.50	1,400.00	13,135.31	9,811.78	2,520.30	15,400.46		65,900.00	
The Home of Providence	Chatham				925.90		9,476.25		768.10			2,741.88	
Aged Women's Home	Hamilton		689.90	6,365.20	810.15	7,148.96	1,378.80	5,053.55	135.00	662.93		17,687.35	
Home for aged and Infirm	Hamilton				8,639.25	3,710.60		1,859.90		57.12		15,371.80	
Home of Providence	Hamilton		4,253.21		2,922.03	39,625.56	5,114.48	15,731.86	5,139.00	19,118.40		63,913.90	
Home of Providence	Kingston		2,804.75	2,900.21	2,123.02	21,430.07	2,430.47	5,295.80	770.50	103.60		72,777.31	
Home of Providence	Kingston		12,791.03		3,350.31	3,190.20	11,633.60	12,639.21	3,995.70	359.60		48,259.68	
The MacCormick Home	London				4,081.15	5,768.85	5,321.69	9,858.41	1,271.30			33,496.38	
Bronson Commercial Home	London				1,758.99	98.40	1,957.69	3,957.15	314.80	510.33		7,194.98	
Good Shepherd Refuges	Ottawa				1,928.66	694.32	4,820.27	1,278.00	389.70			8,445.34	
Protestant Home for Aged	Ottawa				1,053.89	237.90	1,045.06	4,557.97	738.20			10,245.90	
St. Charles' Home	Ottawa				17,589.30	19,848.67	24,108.89	30,284.50	6,139.80	619.97		111,069.96	
The Anson House	Ottawa			1,001.40	12,432.31	406.40	5,057.22	9,229.98	2,908.70	2,629.79		32,968.80	
St. Joseph's Manor	Peterborough				2,011.51	1,158.50	2,215.65	4,312.70	503.80			7,933.80	
Home of Providence	Peterborough				107.50	1,643.58	2,225.34	8,766.13	1,461.10	8.85		25,879.42	
Thomas Williams Home	Port Arthur		6,500.00		2,878.00	2,454.97	2,489.20	8,801.42	2,280.60	650.00		19,555.09	
Good Shepherd Refuges	St. Thomas				9,970.07		1,582.04	3,038.62	162.40	15.67		8,395.27	
Aged Women's Home (Twesdsmuir)	Sudbury		3,724.93		7,926.37	402.00	10,078.50	7,380.00	458.25	281.80		12,795.35	
Aged Women's Home (Bedmont)	Toronto				2,549.61	8,655.32	19,009.50	18,540.00	883.76	81.66		21,828.89	
Aged Women's Home (Ewart)	Toronto			5,177.67	1,512.50	1,106.32	16,815.60	15,253.25	1,553.25	166.89		42,550.72	
Church Home for Aged	Toronto				634.52	2,195.68	15,828.06	3,000.00	1,380.28	183.19		29,911.85	
The Haven	Toronto				1,391.20	1,989.50	1,300.00	4,991.35	979.40	600.00		21,659.54	
Home of Providence	Toronto				795.35	1,889.50	38,710.11	39,911.15	4,201.55			83,406.66	
Jewish Old Folks' Home	Toronto		18,159.13		7,409.50	37,800.38	7,441.28	11,691.49	13,995.15	65.81		20,955.19	
St. Mary's Rest Home	Toronto				3,013.69	1,977.50	8,514.85	4,216.90	2,089.60			35,222.08	
Salvation Army Everwide Home	Toronto				1,789.41	73.01	7,816.85	9,434.56	642.20			15,239.49	
Salvation Army Receiving Home	Toronto				103.85	2,218.85	9,670.03	6,886.21	562.80			17,178.18	
Salvation Army Rescue Home	Toronto				151.61	3,044.90	1,764.30	541.25	1,764.30			16,164.40	
Good Shepherd Refuges	Windsor				167.69	1,932.39		717.55				11,015.84	
The Homestead	Windsor		28,225.06		9.75	2,400.00		1,737.15	5,629.90	1,000.00		19,172.58	
TOTALS		3,036.67	161,857.21	29,887.67	117,354.61	150,906.21	272,706.22	265,815.89	86,430.14	98,227.04	71,709.10	1,260,990.76	
Algoma District Refuge	Sault Ste. Marie			458.89			557.05	5,675.93	3,825.60			26,482.65	
Nipissing District Refuge	North Bay			46.80			1,246.61	4,722.50	2,956.60		586.32	16,195.36	
Parry Sound District Refuge	Powassan			19.22		101.00	180.86	1,914.10	1,436.60			11,991.24	
TOTALS			30,289.93	524.91		101.00	1,984.72	12,312.53	8,218.60	641.21	586.32	54,069.22	

FINANCIAL STATEMENT (Cont'd)  
DISBURSEMENTS

NAME	LOCATION	BUILDINGS AND REPAIRS	CLOTH-ING, SHOES, ETC.		FARM, GARDEN, SUPPLIES, EQUIP-MENT		FARM, FEED, STOCK, ETC.		FOOD AND PROVI-SIONS		FUEL AND HEATING		FUNERAL EXPENSES, RES-PIDENTS		HOUSE FURNISH-INGS, BEDDING, LAUNDRY.		INSUR-ANCE, PREPAID, OR UN-EXPIRED, ETC.		MORT-GAGES, OVER-DRAFTS		LIGHT AND POWER		PHYS-ICIAN'S SALARY		
			\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	
I.O.O.F. Home.		2,051.03																							
Home of the Aged	Barrie	95.36			20.45				5,584.17		1,867.00				2,098.66							285.10			
St. Joseph's Villa.	Belleville	1,325.60		159.54					2,333.80		338.78				1,533.09							60.06			
Home of the Friendless	Brimford	714.87							836.26		496.60				544.60							155.27			
St. Paul's Home	Charleau	758.93							2,409.09		1,091.73				663.64							177.04			
Home of Providence.	Cornwall	9,952.57		1,090.41				945.00	4,173.00		2,680.37				1,296.77							845.24			
The Elliott Home.	Dundas	632.84							144.96		1,141.91				941.77							120.00			
Home of Providence.	Guelph	36.50		301.29				3,669.83	2,580.86		1,108.35				976.02							121.85			
Aged Women's Home	Hamilton	739.26						14.45	4,364.96		1,646.16				325.96							469.32			
Home for Aged and Infirm	Hamilton	4,387.23						86.02	18,368.98		6,043.93				2,109.03							1,193.40			
Home of Providence.	Kingston	2,181.43						344.27	37,882.40		4,874.98				3,067.90							1,115.36			
House of Refuge.	Kingston	911.79		528.45				163.07	27,882.40		4,874.98				3,067.90							1,115.36			
House of Providence.	London	1,652.72						329.00	20,181.12		3,707.87				3,262.74							163.47			
The McCormick Home	London	2,820.81						108.55	7,165.39		1,274.53				459.50							516.57			
Bronson Memorial Home	Ottawa	268.50						38.35	2,952.19		1,727.80				160.55							606.36			
May Court Convalescent Home.	Ottawa	515.65							2,324.67		771.67				686.30							123.60			
Good Shepherd Refuge	Ottawa	287.03						65.20	11,311.81		6,381.87				3,108.88							1,295.59			
Protestant Home for Aged	Ottawa	137.51							2,033.60		1,136.95				3,169.77							1,231.02			
St. Charles' Home	Ottawa	4,664.70							9,481.04		6,262.25				4,166.62							1,997.84			
St. Patrick's Home	Ottawa	2,723.69		1,065.80					3,535.57		1,377.70				1,439.26							1,138.47			
The Anson House	Ottawa	210.61		30.64					8,183.79		2,261.16				333.94							493.98			
House of Providence.	Peterborough	564.03							2,261.16		7.00				926.42							255.49			
St. Joseph's Manor	Peterborough	612.10							5,779.87		1,338.05				2,297.87							182.00			
Thomas Williams Home.	Port Arthur	343.13		70.99					2,723.72		100.00				642.76							306.83			
Good Shepherd Refuge.	St. Thomas	200.00							2,723.72		1,500.83				4,048.26							224.78			
Aged Men's Home (Twickenham)	Toronto	382.10		15.15				5.12	7,519.34		1,070.50				2,312.80							386.94			
Aged Women's Home (Belmont)	Toronto	1,500.52		4.90					14,364.82		1,576.60				5,815.39							1,138.47			
Aged Women's Home (Ewart)	Toronto	860.34		94.33					7,420.79		2,261.16				1,337.38							826.04			
Church Home for Aged	Toronto	1,987.06		54.29					4,612.15		10,500.84				1,547.38							1,386.30			
Good Shepherd Refuge.	Toronto	2,686.01		411.29					3,383.02		1,538.30				1,537.38							3,358.94			
The Haven.	Toronto	4,908.63		98.60					10,883.62						4,767.27							3,588.84			
House of Providence.	Toronto	811.63							62,197.58		11,800.85				7,414.00							589.01			
House of Industry.	Toronto	1,137.87							7,382.15		8,842.15				682.92							1,488.90			
Jewish Old Folks' Home	Toronto	3,944.06							15,036.42		1,703.64				1,027.77							2,120.80			
Julia Greenshields Home	Toronto	396.10							3,710.91		585.53				4,767.27							1,488.90			
St. Mary's Rest Home.	Toronto	322.10							6,505.68		1,473.96				513.05							378.80			
Salvation Army Eventide Home	Toronto	64.76							2,342.02		714.00				819.03							137.65			
Salvation Army Rescuing Home	Toronto	1,198.19							2,115.28		733.42				565.63							200.00			
Good Shepherd Refuge.	Windsor	402.04							3,897.91		1,762.16				4,241.11							660.49			
The Homestead.	Windsor								2,856.56		639.56				172.66							135.75			
TOTALS.....		61,506.00		18,120.45				1,518.05	377,143.35		93,889.39				79,477.33							25,570.41			
Algoma District Refuge.	Sault Ste. Marie	280.77							7,015.14		1,999.80				1,003.38							682.94			
Nipissing District Refuge	North Bay	533.54							2,065.80		453.65				1,648.17							7.78			
Parry Sound District Refuge	Powassan	600.75							83.10		454.64				331.29							372.24			
TOTALS.....		1,415.06		1,252.43				1,140.49	15,337.43		3,408.09				345.00							1,564.29			

FINANCIAL STATEMENTS (Concl'd)  
DISBURSEMENTS (Concl'd)

NAME	LOCATION	DENTAL, DRUGS, SUPPLIES, OR MEDICAL SUPPLIES		FEASION REFUNDS		SALARIES, RESIDENT (JOB) MATRONS		STATION- OBJECT SUPPLIES		TAXES		TELE- PHONE, TELE- GRAPH, FRENCH, ETC.		WAGES, ADD-EM- BOARD, MASSAGE- MENT		WATER, LIND ICE		ALL OTHERS		DEPRECI- ATION (BLDG, UN-SCHE, DE-ABLE, ACCOUNTS)		CASH ON HAND, 10/31, 1912		TOTAL			
		\$	c	\$	c	\$	c	\$	c	\$	c	\$	c	\$	c	\$	c	\$	c	\$	c	\$	c	\$	c	\$	c
L.O.O.F. Home	Barré	629.83		2,565.42		151.23		78.95		47.72		21,047.65		255.18		221.83		3,337.77		321.90		6,379.75		60.25		43,332.50	
Home of the Aged	Belleville	92.75		299.00		690.00		12.84		73.16		221.95		29.13		33.97		42.00		100.34		5,135.80		2,462.19		13,337.37	
St. Joseph's Villa	Blind River	105.25		29,000		1,980.00		29.63		16.84		5,183.00		73.16		169.43										9,461.31	
The Widows' Home	Brautford	92.65		183.00		600.00		11.11		46.84		518.00		16.84		70.00										6,697.42	
Home of the Friendless	Chatham	83.18		290.00		1,000.00		19.63		70.00		3,964.00		45.56		1,194.13										23,401.38	
St. Paul's Home	Cornwall	218.74		900.00		900.00		24.79		51.60		6,649.13		641.48		1,529.17										53,016.80	
House of Providence	Dundas	1,297.47		294.00		1,200.00		193.07		193.19		3,303.57		33.00		55.15										13,912.22	
The Elliott Home	Guelph	7.05		1,000.00		10.39		90.00		71.91		3,972.06		33.00		810.19										15,571.80	
House of Providence	Guelph	28.20		442.06		1,600.00		16.80		93.89		4,300.71		231.65		295.63										15,571.80	
Aged Women's Home	Hamilton	74.01		1,875.30		960.00		16.80		43.89		4,300.71		231.65		295.63										6,913.90	
Home for Aged and Infirm.	Hamilton	617.24		2,214.72		177.01		179.29		345.69		16,910.68		1,088.37		459.92										72,837.61	
House of Providence	Kinston	1,249.23		583.79		1,690.33		181.97		345.69		20,912.92		1,088.37		459.92										11,249.12	
House of Providence	Kinston	276.25		54.00		1,500.00		79.72		30.84		1,117.16		82.08		170.67										48,259.68	
House of Providence	London	587.22		74.00		1,500.00		108.26		122.69		14,431.96		296.17		8.17										33,196.38	
The McCormack Home	London	137.19		1,500.00		76.87		206.56		98.59		1,986.87		275.06		187.36										53,196.38	
Brunson Memorial Home	Ottawa	66.19		1,110.00		94.39		206.56		81.09		1,508.18		187.36		187.36										8,445.34	
May Court Convalescent Home	Ottawa	61.68		1,200.00		252.11		52.65		1,939.95		8,653.67		1,430.41		252.33										57,733.62	
Good Shepherd Refuge	Ottawa	916.82		1,496.82		301.36		331.00		325.74		8,653.67		1,430.41		252.33										57,733.62	
Protestant Home for Aged	Ottawa	104.06		1,268.85		75.48		292.01		83.83		1,010.75		210.16		210.16										10,245.90	
St. Charles' Home	Ottawa	728.01		1,800.00		159.44		292.01		83.83		1,010.75		210.16		210.16										32,968.80	
St. Patrick's Home	Ottawa	99.78		840.00		57.06		392.78		105.57		4,490.75		1,546.30		475.94										11,849.50	
The Anson Home	Peterborough	81.92		1,800.00		59.18		27.81		96.60		3,006.11		158.89		552.23										25,879.42	
House of Providence	Peterborough	384.73		797.43		71.69		27.81		78.94		2,933.44		146.58		475.94										11,849.50	
St. Joseph's Manor	Port Arthur	150.76		539.95		19.21		33.40		117.02		1,263.20		349.43		128.70										19,555.09	
Thomas Williams Home	St. Thomas	535.81		1,650.96		23.97		13.60		57.04		1,037.63		101.07		1,358.25										19,555.09	
Good Shepherd Refuge	Sudbury	55.88		1,080.00		22.93		13.60		119.05		583.00		165.51		1,655.16										12,795.35	
Aged Men's Home (Tweedsmuir)	Toronto	69.03		1,080.00		52.93		131.03		131.03		8,031.40		140.71		115.09										21,828.80	
Aged Women's Home (Belmont)	Toronto	524.46		1,080.00		74.26		149.80		17.03		356.65		356.65		51.78										42,250.72	
Church Home for Aged	Toronto	78.26		1,080.00		60.33		108.78		131.42		9,521.79		290.21		191.00										29,911.85	
Good Shepherd Refuge	Toronto	604.31		1,200.00		79.89		91.72		181.54		4,471.28		106.94		322.06										21,659.51	
The Haven	Toronto	163.86		1,800.00		45.09		425.61		12,906.90		1,598.71		1,598.71		7,925.00										20,955.15	
House of Providence	Toronto	2,289.93		295.04		311.92		26.59		319.12		8,719.82		113.61		15,091.85										32,324.69	
House of Industry	Toronto	86.31		2,500.00		311.92		26.59		377.15		28,301.08		2,055.02		940.43										36,421.08	
Jewish Old Folks' Home	Toronto	1,376.48		2,252.00		2,007.22		248.99		112.10		5,259.00		534.35		861.41										17,478.48	
Julia Greenhalghs Home	Toronto	59.47		1,080.00		2,007.22		248.99		112.10		5,259.00		534.35		861.41										16,164.40	
St. Mary's Rest Home	Toronto	17.53		1,637.50		36.93		217.60		131.84		4,373.77		118.24		683.91										16,164.40	
Salvation Army Eventide Home	Toronto	39.82		910.00		37.07		153.72		131.84		4,373.77		118.24		683.91										11,045.84	
Salvation Army Receiving Home	Toronto	30.24		877.50		27.75		122.04		153.72		4,113.95		116.12		1,951.83										9,918.39	
Good Shepherd Refuge	Windsor	246.19		1,147.05		72.55		167.89		167.89		3,072.98		87.45		1,875.90										9,989.97	
The Homestead	Windsor	22.14		540.00		72.55		656.15		167.89		3,072.98		87.45		2,115.40										30,137.96	
TOTALS		14,230.81		6,269.61		7,109.27		3,432.41		6,118.88		308,788.43		13,624.65		18,739.15										26,498.27	1,260,990.76
Algonia District Refuge	Sault Ste. Marie	539.67		1,475.00		92.44		42.88		42.88		4,607.40		248.46		601.14										26,482.65	
Nipissing District Refuge	North Bay	229.19		1,371.19		87.35		20.53		86.75		1,838.48		248.46		601.14										16,195.36	
Parry Sound District Refuge	Powassan	253.88		1,300.00		76.61		52.10		52.10		1,799.63		248.46		601.14										2,049.13	
TOTALS		1,022.71		1,147.05		256.40		20.53		181.73		8,245.21		248.46		601.14										5,859.49	51,669.22



STATISTICAL REPORT

NAME	LOCATION	No. RESIDENTS JAN. 1, 1942	No. ADMIS- SIONS	TOTAL ADMIS- SIONS INCLU- DING JAN. 1	No. DIS- CHARG- ED 1942	No. DEATHS 1942	No. RES- IDENTS DEC. 31, 1942	AVER- AGE NO. RES- IDENTS 1942	NUMBER RESIDENTS, 1942			No. PAYING RES- IDENTS	No. MUR- DERED PA- TIENTS	No. FREE RES- IDENTS	No. PEN- SIONERS	RES- IDENTS' DAVIS' PAYS, NOS.
									MALE	FEMALE	TOTAL					
I.O.O.F. Home	Barrie	39	10	49	1	8	40	39	36	13	49	...	17	32	4,913	
Home of the Aged	Bellefleur	17	1	21	1	2	48	17	35	6	27	...	9	12	2,064	
St. Joseph's Villa	Blind River	29	37	67	19	3	31	12	38	19	57	25	7	31	2,143	
The Widows' Home	Brantford	15	2	17	9	2	25	12	27	8	17	1	7	15	5,412	
The Home for the Friendless	Charlton	29	5	34	25	17	53	43	26	8	37	1	18	58	10,615	
St. Paul's Home	Chatham	36	41	77	27	22	16	108	67	60	137	41	51	57	24,933	
House of Providence	Dundas	112	43	155	27	22	166	108	77	60	137	41	51	57	24,933	
The Effort Home	Guelph	24	8	32	10	3	21	22	20	20	32	31	2	25	4,829	
House of Providence	Guelph	36	7	43	10	3	30	29	26	4	28	16	185	80	53,657	
Home for Aged and Infirm	Hamilton	214	73	287	51	33	291	209	175	112	287	16	2	25	4,829	
Aged Women's Home	Ran Iton	31	5	36	1	4	101	106	106	56	56	9	9	185	53,657	
House of Providence	Kingston	104	144	338	123	30	183	191	192	106	338	95	46	105	48,127	
House of Refuge	Kingston	32	33	65	23	16	33	32	36	38	57	4	8	18	8,024	
House of Providence	London	151	58	209	61	16	173	172	166	153	270	66	1	69	40,260	
The McCormick Home	London	33	38	71	30	3	47	57	45	71	116	20	16	71	11,168	
Bronson Memorial Home	Ottawa	26	3	29	6	4	57	71	45	57	37	19	1	17	5,370	
May Court Convalescent Home	Ottawa	203	203	213	106	4	112	112	112	213	213	181	32	32	4,361	
Good Shepherd Refuge	Ottawa	128	117	245	66	1	145	68	53	212	242	11	8	27	24,924	
St. Charles' Home	Ottawa	36	112	148	42	18	38	38	26	55	55	11	1	21	7,673	
St. Patrick's Home	Ottawa	216	142	358	97	48	313	311	246	222	438	80	33	215	60,827	
The Aged House	Ottawa	14	15	29	35	19	108	111	84	78	162	18	65	26	4,680	
St. Joseph's Home	Peterborough	74	25	99	24	6	24	23	22	37	104	26	2	21	42	16,072
Home of Providence	Peterborough	62	69	131	20	6	75	63	91	38	129	37	5	49	68	11,470
St. Joseph's Maternal Home	St. Thomas	25	6	31	4	3	57	26	18	16	37	5	1	8	20	3,862
Good Shepherd Refuge (Belmont)	Sudbury	15	22	37	19	3	18	17	17	37	37	4	11	19	6,253	
Aged Men's Home (Belmont)	Toronto	58	15	73	12	9	77	57	78	33	78	33	37	37	11,923	
Aged Women's Home (Belmont)	Toronto	119	16	135	12	11	116	119	135	135	135	44	6	16	16,121	
Aged Women's Home (Ewart)	Toronto	59	10	69	3	3	69	69	69	69	69	39	1	13	16,462	
Church Home for Aged	Toronto	41	14	55	13	45	58	45	58	58	58	34	2	22	10,461	
Good Shepherd Refuge	Toronto	143	58	201	63	2	126	138	100	223	223	1	100	22	50,461	
The Haven	Toronto	56	14	70	18	...	52	50	1,081	100	100	1	100	18,482		
House of Providence	Toronto	616	981	1,597	935	59	603	600	1,597	1,597	237	450	438	472	134,168	
House of Industry	Toronto	157	96	253	69	17	167	159	159	93	253	14	176	63	43,627	
Jewish Old Folks' Home	Toronto	95	28	123	2	27	97	93	50	73	123	37	9	37	22,939	
Infia Green Shields Home	Toronto	30	7	37	2	4	30	30	37	37	37	37	37	37	10,486	
St. Mary's Rest Home	Toronto	36	43	79	41	1	35	33	1	78	79	63	1	2	13	10,498
Salvation Army Eventide Home	Toronto	58	55	113	49	1	63	57	113	113	64	60	2	46	12,444	
Salvation Army Receiving Home	Toronto	15	379	394	378	16	16	14	12	382	394	98	110	296	5,151	
Salvation Army Rescue Home	Toronto	23	174	196	173	23	23	27	38	158	196	83	3	110	9,926	
The Homestead	Windsor	22	16	38	16	16	22	23	22	38	38	1	23	23	5,200	
The Good Shepherd Refuge	Windsor	31	13	47	17	...	30	32	47	47	47	...	47	47	11,814	
TOTALS		3,540	3,194	6,734	2,832	371	3,531	3,427	2,689	3,795	6,734	1,592	974	2,251	1,917	833,394
Algonia District Refuge	Sault Ste. Marie	89	24	113	13	15	85	87	93	20	113	3	80	31	22,952	
Nipissing District Refuge	North Bay	42	29	71	10	4	57	50	58	13	71	4	27	30	10,592	
Parry Sound District Refuge	Powassan	36	7	43	5	4	34	34	32	11	43	4	29	10	9,641	
TOTALS		167	60	227	28	23	176	171	183	44	227	7	136	71	43,185	

STATISTICAL REPORT (Concl'd)

NAME	LOCATION	RESIDENTS DAVIS PENSIONERS	TOTAL DAYS STAY	NO. BEDS IN DORMITORY	NO. BEDS MADE UP	NO. PROGRESS TAMES	NO. CATHOLICS	OTHER RELIGIOUS NOT KNOWN	CANADIAN	ENG- LISH	IRISH	SCOTCH	UNITED STATES	ALL OTHERS	AVER- COST PER DIET REST- REST-
L.O.D.F. Home	Barré	9,217	11,160	60	40	49	1		37	7	2	2	1		8.6
Home of the Aged	Bellefle	3,313	6,117	20	18	17			17	2	1				3.70
St. Joseph's Villa	Bland River	2,401	4,153	45	38	17	40	2	18	2	1	2	2	2	2.17
The Widows' Home	Brandon	1,279	3,137	15	15	17			15						1.23
The Home for the Friendless	Charlton	1,273	3,137	36	36	29	5		24	6			3	3	1.41
St. Paul's Home	Charwell	11,809	33,085	100	66	133	133		73	8	20	36	2	1	1.35
House of Providence	Dundas	14,384	39,102	170	145	8	117		115	1	3				1.52
The Elliott Home	Dundas	6,771	11,571	28	26	32	34		25	5					1.82
Home of Providence	Georgetown	22,355	76,606	230	230	236	47	4	155	62	9	31	1	26	1.87
Home for Aged and Infir	Hamilton	21,683	69,800	230	200	105	233		265	41	20	5	2	5	1.05
Aged Women's Home	Kingston	7,703	11,727	18	42	52	5		11	21	11	14			1.97
House of Providence	Kingston	22,573	62,863	200	100	12	12		238	7	1	1	7	7	1.72
House of Providence	London	17,620	28,788	100	100	114	2		71	39	1	3	2	2	1.16
The Melanck Home	London	4,565	9,625	29	27	37	37		35	1	1				1.80
Robson Memorial Home	Ottawa	4,361	15,8	18	18	149	59	5	173	17	3	1	9	7	1.51
May Court Convalescent Home	Ottawa	104	25,633	200	70	2	240		241	1					2.29
Good Shepherd Refuge	Ottawa	6,336	13,692	40	40	53	2		28	18	1	3	1	7	1.74
Professional Home for Aged	Ottawa	53,816	114,641	328	328	11	442	5	440	7	3	3	3	3	1.98
St. Charles' Home	Ottawa	20,130	42,431	119	108	1	161		132	8	12	4	3	3	1.78
The Anson Home	Peterborough	7,326	12,006	42	42	59	2		27	24	6	6	2	2	1.96
House of Providence	Peterborough	10,889	26,961	77	73	68	61		99	3	3	5	39	31	1.80
St. Joseph's Home	Port Arthur	12,786	24,256	81	73	84	24		60	23	2	1	1	1	1.89
St. Joseph's Home	St. Thomas	5,518	9,381	28	27	24	1		22	10	2	1			1.32
Good Shepherd Refuge	Sudbury	10,994	22,916	58	57	78	36		57	5	5	6	2	2	2.07
Aged Men's Home (Tweedsmuir)	Toronto	27,407	43,528	119	116	135	135		38	37	8	6	4	1	1.05
Aged Women's Home (Belmont)	Toronto	4,971	21,433	60	60	69	69		73	37	8	1	1	1	1.39
Church Home for Aged	Toronto	6,246	16,467	46	46	58	58		45	15	1	6	2	2	1.32
Good Shepherd Refuge	Toronto	61,680	18,182	59	59	89	10		231	19	2	4			1.18
Home of Providence	Toronto	11,666	58,093	178	172	232	21		95	3	105	61	23	2	1.13
Jewish Old Folks' Home	Toronto	11,655	33,994	100	95			123	1,015	259	13	17	191	13	1.06
St. Mary's Rest Home	Toronto	2,067	12,565	36	36	37	4		112	98	13	13	123	139	1.53
Salvation Army Evening Home	Toronto	8,514	20,988	66	66	112	112		22	17	1	3	1	3	1.80
Salvation Army Receiving Home	Toronto	3,091	9,926	22	22	195	47		50	45	6	6	1	5	1.95
The Homestead	Windsor		11,814	40	40	2	45		193	2	8	12	11	1	1.02
The Good Shepherd Refuge	Windsor		11,814	40	40	2	45		33	2	1	1	2	2	1.68
TOTALS.....		120,415	1,253,639	4,051	3,748	3,209	3,375	150	4,835	916	253	264	77	367	1.23
Algoma District Refuge	Sault Ste. Marie	8,676	31,628	90	85	58	50		86	3		1	1	27	1.81
Niagara District Refuge	North Bay	7,750	16,342	60	60	43	26		63	3				5	1.80
Parry Sound District Refuge	Powassan	2,921	12,562	41	34	34	9		31	4	2	1		5	1.97
TOTALS.....		19,347	62,532	191	179	135	85	7	180	7	2	2	1	35	1.90

**SOLDIERS' AID COMMISSION**  
**STATEMENT OF RECEIPTS AND EXPENDITURES**

**No. 1 ACCOUNT (OPERATING)**

**RECEIPTS**

**March 31, 1943**

Provincial Treasurer	\$ 43,545.18
Less: Refund to Treasurer	2,135.46
	\$41,409.72

**EXPENDITURES**

Office Salaries	\$10,950.00
Office Bonus	1,592.88
	\$ 12,542.88
Postages	75.00
Car Tickets	80.00
Stationery	293.74
Telegraph and Telephone	17.38
Travelling Expenses	1,921.39
Miscellaneous	62.92
Provincial Treasurer <i>re</i> Croft Estate Loan	22,191.62
Transfer of Funds to No. 2 Account	4,224.79
	\$ 41,409.72

**RELIEF, ESTATES AND TRUST FUNDS**

**ACCOUNTS No. 2, No. 8 (HAMMOND ESTATE), CHILDREN'S (WARDS') TRUST ACCOUNT, AND ESTATES OF HALES, CROFT, SCOTT, McNAB AND THOMPSON (BEQUEST)**

**STATEMENT OF RECEIPTS**

**April 1, 1942**

Balance Brought Forward from 1941-42 Statement:	
Investments	\$214,925.06
Cash in Bank	4,385.97
	\$219,311.03
Less:	
Sale of Bonds	\$ 1,000.00
Reduction of Mortgage	200.00
	1,200.00
	\$218,111.03

**RECEIPTS**

No. 2 Account (Emergency Assistance):	
Transfer from No. 1 Account	\$ 4,224.79
Other Sources	628.20
	\$ 4,852.99
Hales Estate	7.50
Croft Estate	22,523.68
Scott Estate	419.72
McNab Estate	3.76
Thompson Bequest	
No. 8 Account (Hammond Estate):	
Bank Interest	\$ 5.32
National Trust Co. Ltd.	222.50
Bond Coupons (Interest)	7,644.50
Sale of Bonds	995.70
	8,868.02
Wards' (Children's) Trust Account—Bond Coupons (Interest)	508.69
	37,184.36
	\$255,295.39

## STATEMENT OF EXPENDITURES

March 31, 1943

No. 2 Account (Emergency Assistance):

Gratuities	\$ 4,224.79	
Other Sources	668.20	
		\$ 4,892.99
Hales Estate—Grants		58.28
Croft Estat—Taxes and Refund to Provincial Treasurer		22,291.58
McNab Estate—Grants		246.00
Scott Estate—Grants		149.00
Thompson Bequest—Grants		22.00
No. 8 Account (Hammond Estate)—Grants	\$ 6,995.13	
Stationery	22.14	
		7,017.27
Wards' (Children's) Trust Account—Payments		259.91
		\$ 34,937.03

## ASSETS

Croft Estate:		
Assessed Value of Real Estate	\$12,050.00	
Fryer's Mortgage..	1,250.00	
Investments	1,000.00	
		\$ 14,300.00
Scott Estate—Investments...	1,500.00	
Hammond Estate—Investments	192,920.76	
Wards' Trust Account—Investments	9,000.00	
Balances at Bank	2,637.60	
		220,358.36
		\$255,295.39

## LAND SETTLEMENT ACCOUNT

## BARRIE PROPERTY

## STATEMENT OF RECEIPTS AND EXPENDITURES

## RECEIPTS

April 1, 1942

Balance at Bank (Current Account)	\$ 685.12	
Balance at Bank (Savings Account)	1,043.80	
		\$ 1,728.92
Assets:		
Barrie Property	\$ 8,073.02	
Buildings.....	7,065.00	
Equipment	257.12	
		15,395.14
		\$ 17,124.06

1942-43

Receipts:		
Deposits re Hydro	\$ 20.00	
Rents	1,159.50	
Bank Interest	14.63	
		1,194.13
		\$ 18,318.19

## EXPENDITURES

March 31, 1943

Miscellaneous Expenses	\$ 234.18	
Depreciation	478.14	
		\$ 712.32
Assets:		
Barrie Property - Land	\$ 8,073.02	
Barrie Property Buildings	\$ 7,065.00	
Less Depreciation	353.25	
		6,711.75
Equipment	\$ 257.12	
Less Depreciation..	124.89	
		132.23
		14,917.00
Bonds (Face Value)		1,500.00
Balances at Bank:		
Savings Account	\$ 747.93	
Current Account	440.94	
		1,188.87
		\$ 18,318.19

## FINANCIAL ASSISTANCE GRANTED

MONTH	No. 2 ACCOUNT	HALES, SCOTT, THOMPSON, McNAB ESTATES	No. 8 ACCOUNT	CANTEEN FUND AND OTHER SOURCES	TOTAL
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1942					
April	239.10	43.00	600.90		883.00
May	443.09		395.00	140.00	978.09
June	402.06		490.00		892.06
July	213.62	76.75	630.00	40.00	960.37
August	152.37	38.00	635.00	92.70	918.07
September	342.45	30.78	546.80		920.03
October	355.99	62.00	598.00	235.00	1,250.99
November	466.39	94.75	642.95		1,204.09
December	490.99	95.00	780.00		1,365.99
1943					
January	420.86	4.50	399.00	54.00	878.36
February	493.40	30.00	495.00	14.00	1,032.40
March	568.67	18.00	782.48	92.50	1,461.65
TOTALS	4,588.99	492.78	6,995.13	668.20	12,745.10

**ANALYSIS OF ASSISTANCE RENDERED FROM No. 2 ACCOUNT; KATHLEEN HAMMOND, HALES, SCOTT, THOMPSON AND McNAB ESTATES; ALSO FROM OUTSIDE SOURCES, APRIL 1, 1942, TO MARCH 31, 1943**

Hospital, Medical and Surgical Supplies	39
Fuel (Emergency)	10
Men's, Women's and Children's Clothing	154
Special Diet and Emergency Grocery Orders	54
Bedding and Household Supplies	50
Transportation	11
Truck, Car and Chauffeur Licenses	4
Glasses	106
Dentures	61
Layettes	3
Special Grants (Material, Supplies, Stock-in-Trade)	782
Artificial Limbs, Earphones, Wheel Chairs	9

## SOLDIERS' AID COMMISSION—SERVICE

April 1, 1942, to March 31, 1943

## STATISTICAL REPORT

MONTH	A CHILD WELFARE	B No. 2 ACC'T	C HALES, SCOTT, THOMP- SON, McNAB ESTATES	D No. 8 ACC'T	E CANTEEN FUND	F EMPLOY- MENT, PENSION AND SERVICE	G Misc.	TOTAL
1942								
April .....	13	65	5	28	12	38	133	294
May .....	5	64		18	11	64	151	313
June .....	3	75	1	23	17	52	84	255
July .....	3	32	13	28	18	52	166	312
August .....	6	25	6	32	11	51	140	271
September .....	3	57	5	27	21	30	124	267
October .....		63	7	22	15	34	153	294
November .....	5	65	8	28	16	55	125	302
December .....	1	71	10	40	26	45	121	314
1943								
January .....		68	1	16	17	52	131	285
February .....	4	75	3	23	22	47	125	299
March .....	5	67	2	31	21	55	119	300
TOTALS	48	727	61	316	207	575	1,572	3,506

## NOTE

- A. Investigations and service on account of wards of the Commission.
- B. Emergency assistance granted.
- C. Emergency assistance from Trust Funds.
- D. Kathleen Hammond Bequest Trust Fund, emergency assistance to pensioned widows of veterans.
- E. Administration of special grants from Canteen Fund, and cases submitted to that Fund for consideration.
- F. Information, advice and assistance in respect to claims for treatment and pensions, also employment by veterans.
- G. General advice given on matters relating to public and private welfare facilities for veterans or their dependents.

Number of Office Interviews .....	2,580
Number of Letters Received .....	2,952
Number of Letters Mailed .....	3,180

## PLACEMENT OF WARDS

Number of Wards Attaining the Age of 21 Years .....	11
Total Number of Wards Under Commission's Care on April 1, 1942 .....	20
NET TOTAL, MARCH 31, 1943 .....	9







SEVENTEENTH REPORT  
OF THE  
LIQUOR CONTROL BOARD  
OF  
ONTARIO

From April 1st, 1942 to March 31st, 1943

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 20, 1944



TORONTO

Printed and Published by

T. E. Bowman, Printer to the King's Most Excellent Majesty

1944

TORONTO, MARCH 9TH, 1944.

TO THE HONOURABLE ALBERT MATTHEWS,

*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit to Your Honour the Seventeenth Report of the Liquor Control Board of Ontario for the year Ending 31st March, 1943.

Respectfully submitted,

L. E. BLACKWELL,

*Attorney-General.*

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# Liquor Control Board of Ontario

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454 UNIVERSITY AVENUE,  
TORONTO 2, ONTARIO  
JANUARY, 17TH, 1944.

TO THE HONOURABLE LESLIE E. BLACKWELL,  
*Attorney General of Ontario,*  
Parliament Buildings, Toronto 5, Ontario.

Sir,—

I have the honour to submit herewith the Seventeenth Report of the Liquor Control Board of Ontario for the twelve months' fiscal period, which ended the 31st of March, 1943.

## FINANCIAL STATEMENT

The Balance Sheet, certified to by Messrs. Robertson, Robinson, McCannell & Dick, Chartered Accountants, shows the amount of fixed assets to be \$102,177.00. This amount represents the value of the Board's real estate, consisting of the land and buildings situated at 154 Wellington Street West, Toronto, 210 Victoria Avenue, Fort William, and 28 Silver Street, Cobalt, occupied as Warehouses or Stores, and the value of all furniture, equipment and alterations in the various premises of the Board, less depreciation, which, since the commencement of operations in June, 1927, has been provided to an extent of \$1,086,624.67.

Other assets totalled \$6,495,787.04 being comprised of the following items:

Cash on hand and in transit from branch banks .....	\$ 251,819.75
Accounts Receivable—hospital charge sales, beer levies, duty recoverable items, freight claims, fines, etc. ....	389,944.17
Inventories of liquors and supplies .....	5,826,403.37
Prepaid items .....	27,619.75

Liabilities amounted to \$1,383,554.35 as follows:

Accounts Payable—for liquors and supplies, accrued charges etc. ....	\$1,332,447.25
Due Provincial Treasurer—for permit sales and confiscated stock .....	51,107.10

Sales of Individual and Special Permits during the twelve months amounted to a net figure of \$1,064,036.39, which, with an amount unpaid from the previous year of \$9,705.78, and a prior sale of 1943-4 Permits of \$21,290.84, totalled \$1,095,033.01, of which \$1,050,000.00 was remitted to the Provincial Treasurer in accordance with the requirements of The Liquor Control Act of Ontario, Section 18 (2).

The item of \$6,074.09 represents a balance due for forfeited liquor, which was purchased by the Board after careful examination, and in accordance with the provisions of Section 132 (2) of the Act.

Contingent liabilities amounted to \$4,067,276.57. These items comprise the value of undelivered orders, and, also, the amount of customs or excise duties which will have to be paid on the goods, which were in bond on our premises March 31st, when the same are cleared. These items are not chargeable against, nor do they affect the operations of the Board for the period under review.

The Profit and Loss Account shows sales for the twelve months from Liquor Control Board Stores of \$39,460,496.58.

The same account shows a gross trading profit of \$13,726,935.12 with total expenses including depreciation and items written off, of \$2,054,315.43, which produced a net trading profit of \$11,672,619.69. This latter sum, together with other revenue derived from fees and taxes on Brewers and Wine Manufacturers and their products, as well as from Authority holders and from fines, which amounted to \$5,809,639.19, resulted in a total net income of \$17,482,258.88, which is carried to the Surplus Account.

For the purpose of comparison, the percentage that the cost of stock sold, miscellaneous earnings and expenses, and other revenue bear to the sales are given for the fiscal year of 1941-2, and the twelve months' period herewith reported upon.

The Surplus Account shows a balance at the commencement of the period of \$3,958,088.30, this being the amount carried forward from previous years' operations, which had not been transferred to the Provincial Treasurer. After deducting \$937.49 which represented sundry adjustments and the addition of the twelve months' net income of \$17,482,258.88, a total amount is shown of \$21,439,409.69. From this sum \$16,225,000.00 was remitted to the Provincial Treasurer. The total payments to the Provincial Treasurer during the twelve months were, therefore:—

On account of Profits .....	\$16,225,000.00
On account of Permits .....	1,050,000.00
	\$17,275,000.00

Beside the Balance Sheet, Profit and Loss Account, and the Surplus Account, a statement showing the Expenses of Administration and Operation (Schedule 1) for the twelve months is also attached. Individual percentages which these expenses bear to the total sales are given for the twelve months and also for the preceding fiscal period. On March 31st, 1943, the staff comprised 944 employees, 107 of these being part-time or seasonally employed as against 822 permanent and 121 part-time employees at the previous year-end.

In addition, all Liquor Control Board Stores, Brewers' Retail Stores, Breweries and Wineries privileged to sell alcoholic beverages in Ontario, as of March 31st, 1943, are set forth on Schedule II; a classification of permits and licenses issued appears on Schedule III, and a summary of Authorities and Standard Hotel Licenses issued, cancelled, suspended, surrendered and reinstated during the year, with the number operative on March 31st, is set forth on Schedule IV.

### SALES

In the Dominion Budget which was presented to Parliament on June 23rd, 1942, customs duties on imported spirits and excise duties on domestic spirits were increased by \$2.00 per gallon to \$10.00 and \$9.00 respectively. With regard to Empire brandies, the duty was raised to \$8.00, whereas, with respect to Canadian brandy made from the unadulterated juice of the grape, the increase was to \$7.00 per proof gallon. Further increases were made effective in duties on imported and domestic wines as well as on imported and domestic beers. Such increases in Dominion Customs and excise duties resulted in higher retail selling prices being established by this Board effective June 24th, 1942, on spirits of from .20 cents to .25 cents per small bottle, .30 cents to .50 cents on medium sized bottles and .60 cents to .75 cents on Imperial quarts, with greater increases on a few imported brands due to the manufacturers having raised their prices.

The prices of native wines were increased on July 2nd, 1942 from 1 cent to 9 cents per bottle and on domestic beers on August 17th, 1942, by 5 cents per carton of 6 small bottles, 10 cents per carton of 6 large bottles and 25 cents per carton of 2 dozen small or 1 dozen large bottles.

On December 16th, 1942, Order-in-Council P.C. 11,374 was passed by the Dominion Government pursuant to the War Measures Act approving of the "Wartime Alcoholic Beverages Order, 1942". This Order limited the proof gallonage of spirits obtainable by each Provincial Liquor Commission during the twelve months commencing November 1st, 1942, to not more than 70% of the proof gallonage obtained during the preceding twelve months. With respect to wine, the limitation was 80% and beer, 90%.

The Administrator of Alcoholic Beverages, Wartime Prices and Trade Board, stressed that he desired the available supply of alcoholic beverages released for consumption should be distributed as equitably as possible, so as to ensure that some would be available during every month.

The restrictive provisions of the "Wartime Alcoholic Beverages Order, 1942", together with the Administrator's request, necessitated the Board discontinuing on January 4th, 1943, the issuing of the Special Single Purchase Liquor Permit (.25 cents), applying more stringent sale limitations with respect to spirits, beer and wine, and reducing selling hours in retail sales outlets. A plan of allotting to each Authority holder, monthly, of a percentage of the gallonage of beer purchased during the same month of the "basic" period of the Dominion's Order was inaugurated on February 1st, 1943.

Further duties of \$2.00 per proof gallon on spirits were imposed by the Dominion Government in their Budget of March 2nd, 1943, at which time, the Minister of Finance stated that in view of representations having been received from various provincial governments of Canada relative to loss of provincial revenue that would result in succeeding fiscal years from the application of

the "Wartime Alcoholic Beverages Order, 1942", the Dominion Government would be willing to guarantee provincial liquor net revenues to the amount obtained from the twelve months' operations which ended June 30th, 1942, provided that retail selling prices were promptly raised by an amount equal to that of the Dominion's increase.

The Dominion's offer was accepted by the Ontario Government and the Board increased retail selling prices of spirits on March 3rd, 1943, to the extent required to meet the guarantee conditions. Such increases amounted to .25 cents per small bottle, .50 cents per medium-sized bottle and .75 cents per Imperial quart.

The sales of spirits, beer and wine from liquor stores during the twelve months amounted to \$39,460,496.58. The net value of beer sold from breweries and brewers' retail stores, i.e., exclusive of any charge for containers, totalled \$50,523,428.73. Sales of native wine made direct to customers from licensed native wine sales offices, and, where permitted, from winery premises, amounted to \$3,177,121.93.

The following comparative sales statistics are given for the fiscal year under review and also for the preceding twelve months:—

## VALUE

	Twelve Months ending March 31, 1942	Twelve Months ending March 31, 1943	Increase or Decrease	Percentage
Domestic Spirits.....	\$22,003,923.14	\$26,933,354.90	\$4,929,431.76	Inc. 22.4
Imported Spirits.....	6,916,910.98	7,453,910.95	536,999.97	Inc. 7.7
Domestic Wines.....	2,181,093.66	2,774,557.43	593,463.77	Inc. 27.2
Imported Wines.....	471,635.75	647,344.33	175,708.58	Inc. 37.2
Domestic Beers.....	1,372,421.96	1,533,669.71	161,247.75	Inc. 11.7
Imported Beers.....	89,858.17	117,659.26	27,801.09	Inc. 30.9
Total Sales from Liquor Stores..	\$33,035,843.66	\$39,460,496.58	\$6,424,652.92	Inc. 19.4
B. & B.R.S. Sales - Domestic Beer (Exclusive of Container Value)	45,548,177.25	50,523,428.73	4,975,251.48	Inc. 10.9
Wineries' Sales (Domestic Wines).....	2,903,584.28	3,177,121.93	273,537.65	Inc. 9.4
Total.....	\$81,487,605.19	\$93,161,047.24	\$11,673,442.05	Inc. 14.3

## GALLONAGE

	Twelve Months ending March 31, 1942	Twelve Months ending March 31, 1943	Increase or Decrease	Percentage
Domestic Spirits.....	1,576,144	1,664,789	88,645	Inc. 5.6
Imported Spirits.....	335,057	326,724	8,333	Dec. 2.5
Domestic Wines.....	820,680	973,167	152,487	Inc. 18.5
Imported Wines.....	49,851	75,105	25,254	Inc. 50.6
Domestic Beers.....	846,566	938,778	92,212	Inc. 10.8
Imported Beers.....	24,290	28,192	3,902	Inc. 16.0
Total Sales from Liquor Stores..	3,652,588	4,006,755	354,167	Inc. 7.9
B. & B. R. S. Sales (Domestic Beer).....	37,640,744	40,650,522	3,009,778	Inc. 8.0
Wineries' Sales (Domestic Wines).....	1,054,881	1,040,949	13,932	Dec. 1.3
Total.....	42,348,213	45,698,226	3,350,013	Inc. 7.9



The above statistics show that the sales of spirits, wines and beers through the liquor stores increased to an extent of \$6,424,652.92. Operating and administration expenses, including depreciation at \$2,054,315.43, were higher to an extent of \$105,672.93 as compared with the preceding year.

As shown before in this report, the Board paid to the Provincial Treasurer the sum of \$16,225,000.00 on account of Profits, License Fees, etc., and \$1,050,000.00 from sales of Permits. The Board also paid, in accordance with the law, to the various municipalities, 20% of the fees received from Hotel Authorities, such amount totalling \$343,780.86, which was distributed to 318 municipalities.

Additional to the above substantial payments made by the Board, the Dominion Government received during the course of the year in Customs and Excise Duties and Sales and Excise Taxes on spirits, wines and imported beers purchased by the Board \$15,453,550.08. There also was paid to the Dominion Government for Malt Duties and Taxes on domestic beers and wines sold in Ontario approximately \$18,600,000.00, making a total of about \$34,000,000.00.

It will therefore be seen that the grand total of revenue payments received by the respective Municipal, Provincial and Dominion Governments reached a total of over \$51,500,000.00 as a result of levies on alcoholic beverages sold in Ontario during the year. This amount was exclusive of Municipal realty and Provincial and Dominion corporation taxes paid by the respective manufacturers.

Since the commencement of operations of the Liquor Control Board of Ontario in June, 1927, until March 31st, 1943, payments to the Provincial Treasurer have reached a grand total of \$155,980,671.00.

#### STORES

The number of liquor stores in operation on March 31st, was one hundred and thirty; there having been no change in the number during the year.

Two stores were moved to new locations, i.e.—

No. 115—Waterloo—From 43 King St. North to 36-38 King St. South on June 17th, 1942.

No. 34—Windsor—From 628 Chilver Road to 1284-6 Ottawa Street on November 3rd, 1942.

#### BREWERIES AND BREWERS' RETAIL STORES

On March 31st, 1943, there were twenty-two Ontario and four Quebec breweries licensed to sell their products in Ontario, there having been no change from the previous year-end.

The gallonage of domestic beer sold in Ontario during the years 1939 to 1943 inclusive, as computed from the sales records of the Board and with respect to sales to destinations outside Ontario, from the monthly reports of the Ontario brewers, was as follows:

	1939 (12 months) Gallons	1940 (12 months) Gallons	1941 (12 months) Gallons	1942 (12 months) Gallons	1943 (12 months) Gallons
Sales from Liquor Stores' stock Beer orders taken at Liquor Stores for delivery by breweries and brewers' retail stores.....	562,527	558,962	672,064	839,827	933,142
Sales from breweries and brewers' retail stores.....	11,024	13,512	5,004	6,739	5,636
Total Ontario Sale of Domestic Beer.....	24,141,817	26,756,549	30,626,640	37,640,744	40,650,522
Sales to other Provinces.....	1,882,189	1,914,210	2,344,029	2,923,485	3,269,717
Export Sales.....	12,996	58,033	133,610	1,394,525	1,280,491
Total.....	1,895,185	1,972,243	2,477,639	4,318,010	4,550,208

The number of Brewers' Retail Stores in operation at the year-end totalled one hundred and seventeen; five stores having been opened during the period at the following locations:

114W 123 Brock St. North, Whitby, on May 11th, 1942.

115W 326 Silverthorn Ave., North York Township, on June 1st, 1942.

116W Main St. West, Kingsville, on July 20th, 1942.

117W Main St., Thedford, on September 1st, 1942.

118W 2107 Main Street South, Niagara Falls, on September 14th, 1942.

One store, 80W, situated at 269 Dalhousie Street, Ottawa, was closed on January 2nd, 1943, having been destroyed by fire.

From May 30th, to September 16th, a Brewers' Retail Store was operated at Jackson's Point.

One Distributing Warehouse was opened at:—

4WD 110 Catherine Street, Ottawa, on July 20th, 1942.

During the year under review, three Breweries changed their corporate names, as follows:—

Gold Belt Brewery Limited to Union Brewery Limited Timmins;

Cosgrave's Dominion Brewery Limited to Cosgrave's White Label Brewery Limited, Toronto;

Cosgraves Dominion Brewery (East Toronto) Limited to Cosgraves White Label Brewery (East Toronto) Limited.

As mentioned in previous reports, the policy of the Liquor Control Board has been to have periodical analyses made by the Chief Provincial Analyst of all brands of beer produced by the Ontario Breweries, as well as the products of the Quebec Breweries, who are licensed to sell in the Province. The analyses last year indicated that all the samples examined conformed to the requirements of the Regulations passed pursuant to The Food and Drugs Act of Canada.

## WINERIES

Periodical analyses totalling 331 of the products of all Ontario licensed wineries were continued throughout the year for the Board by the Provincial Department of Health in order to ensure that they conformed to the Board's Regulations with respect to native wine. Additional thereto, 125 samples of grape juice were analysed in connection with the production of Canadian brandy.

A price of \$45.00 per ton payable by wine manufacturers to the grape growers for grapes delivered for wine making was negotiated by the Board and proved acceptable to both parties, for the 1942 crop.

On March 31st, 1942, there were twenty-one wineries operating in Ontario. Sales were conducted direct from the premises of six wineries and from forty-three branch retail sales offices unchanged since the previous year-end.

The Head Offices of two wineries were moved to new locations, as follows:—

<i>License</i>	<i>From</i>	<i>To</i>
Fred Marsh Winery Limited	749 Park St. Niagara Falls	R.R. No. 3, Portage Road, Niagara Falls
Jordan Wine Company Limited	Jordan Village	St. Catharines

The following statistics of gallonage of native wine sold have been compiled from the monthly reports submitted to the Board by the respective wineries:—

	1939 (12 months) Gallons	1940 (12 months) Gallons	1941 (12 months) Gallons	1942 (12 months) Gallons	1943 (12 months) Gallons
Sales at Wineries .....	934,361	998,100	1,101,193	1,054,881	1,040,949
Sales to the Board .....	712,783	764,326	896,801	834,519	856,741
<b>Total Ontario Sales .....</b>	<b>1,647,144</b>	<b>1,762,426</b>	<b>1,997,994</b>	<b>1,889,400</b>	<b>1,897,690</b>
Sales to other Provinces .....	1,045,997	1,455,432	1,850,008	1,537,579	1,806,083
Export Sales .....	1,935	2,136	5,892	4,766	5,315
<b>Total .....</b>	<b>2,695,076</b>	<b>3,219,994</b>	<b>3,853,894</b>	<b>3,431,745</b>	<b>3,709,088</b>

The tonnage of grapes and cherries used by the various wineries during the past four years was as follows:—

	12 months ended March 31st, 1940	12 months ended March 31st, 1941	12 months ended March 31st, 1942	12 months ended March 31st, 1943
Grapes used in the manufacture of wine ....	13,679 tons	15,603 tons	13,810 tons	13,414 tons
Grapes used in the manufacture of concentrates	2,242 tons	3,748 tons	2,855 tons	3,786 tons
Grapes used in the manufacture of brandy	2,370 tons	—	—	5,693 tons
Cherries used in the manufacture of wine	184 tons	62 tons	236 tons	10 tons
<b>Total .....</b>	<b>18,475 tons</b>	<b>19,413 tons</b>	<b>16,901 tons</b>	<b>22,903 tons</b>

Last year, 258,617 gallons of native wine were distilled into grape spirit for wine fortification, while during the year under review, 402,843 gallons were used for such purpose.

The sale of Canadian Brandy, a product of Ontario Grapes, amounted to 31,176 gallons, as against 35,629 gallons sold during the previous year.

#### HOME-MADE WINE PERMITS

Since the Regulations which were designed to check the bootlegging of Home-made Wine became effective on January 1st, 1940, and which required that any person manufacturing more than 100 gallons of Home-made Wine must obtain a Permit from the Board, 1,154 Home-made Wine Permits had been issued up to March 31st, 1942.

During the fiscal year herein reviewed a further 214 Home-made Wine Permits have been issued, thus bringing the total to 1,368.

Since January 1st, 1940, 30 Home-made Wine Permits have been cancelled for failure on the part of the Permittee to comply with these Regulations or other provisions of The Liquor Control Act.

#### AUTHORITIES FOR THE SALE OF BEER AND WINE

Complete details by Municipalities of the number of Authorities which were issued, cancelled, suspended or surrendered during the year, together with reinstatements, are set forth on Schedule IV.

On March 31st, 1943, the end of the fiscal year--there were 1,194 Hotel Authorities in operation, 259 Club Authorities, and 197 Military Mess Authorities.

Authorities were issued for six months to 36 Summer Hotels. Of these, two were extended to an annual basis after payment of the required additional fee.

The fee for Hotel, Railway, Social and Labour Club Authorities was increased on August 17th, 1942, to eight cents per gallon of beer purchased. For Veterans' Club Authorities the fee was increased on the same date to five cents per gallon of beer purchased when the sale is restricted to bottled beer. For such Clubs which sell draught and bottled beer, the fee was increased to eight cents per gallon. No change was made with respect to the 5% levy on the value of wine bought.

The minimum fee of \$300.00 per annum for full year Hotel and Railway Authorities, \$150.00 for six months' Summer Hotel Authorities, \$100.00 for Social Clubs and \$50.00 for Labour and Veterans' Clubs was continued.

The annual fees for Steamship Authorities and Military Mess Authorities were \$50.00 and \$30.00 respectively.

#### HOTELS

On March 31st, 1943, 1,310 Standard Hotel Licenses were effective, of which 1,194 possessed an Authority to sell beer and wine; 116 held only the Standard Hotel License. There was no change in fees.

Frequent inspections were made of all hotels and clubs in the Province by the Board's Inspectors, who are required to submit monthly conduct reports in respect of each premises visited, and also a more detailed report once per year.

## PERMITS

From April 1st, 1942 to March 31st, 1943, there were 214,795 Individual Annual Liquor Permits issued. The sales of Special Single Purchase Permits totalled 4,450,739, the sale thereof being discontinued on December 31st, 1942. Individual Permits sold to non-residents, valid for a period not exceeding one month, numbered 2,574. In addition 2,229 Special Permits were issued to Physicians, Druggists, Hospitals, etc.

In accordance with the requirements of the Act, the Board, after thorough investigation deemed it advisable during the year to issue 2,737 Prohibitory Orders. Such action followed either notification relative to conviction for violation of the Act, or the receipt of a request or recommendation from some interested party, such as a relative, friend, magistrate, police officer, physician, relief officer, etc. These Prohibitory Orders comprised 631 full Board Orders which precluded the individual concerned from purchasing alcoholic beverages from any source, of which 24 resulted from Judges' Orders of Interdiction.

The remaining 2,106 were Orders which restricted the individual's liquor privileges.

Of these 2,106 cases, 729 were the result of convictions having been registered under the Criminal Code of Canada for intoxication while in charge of a motor vehicle. A further 621 followed the conviction of the individual for violation of The Liquor Control Act, and the premises of 418 of these were declared a "public place" within the meaning of the Act. The other Orders were issued as being in the best interests of all concerned according to the judgment of the Board from the available information at hand.

During the year, after full investigation and consideration, it was decided to fully revoke 595 and partially revoke 80 of the Prohibitory Orders which had been made effective at some prior date.

1,593 Special Permits were issued to Druggists. These Permits allowed the druggist to purchase alcohol in limited quantities for compounding and pharmaceutical purposes and also accorded him the privilege of buying rubbing alcohol for re-sale. The premises of all holders of Druggists' Special Permits were subject to periodical inspection and, in addition, druggists were required to maintain an accurate record of each purchase and sale of rubbing alcohol.

Efforts were continued to prevent the use of rubbing alcohol as a beverage and during the year the names of 18 addicts were posted with all druggists in the large communities of the Province.

## GENERAL

The loyal and efficient co-operation of the staff during a most arduous year is hereby acknowledged with appreciation.

I have the honour to be, Sir,

Your obedient servant,

A. ST. C. GORDON,

*Chief Commissioner.*

## BALANCE SHEET

As at March 31st, 1943

## ASSETS

Land, Buildings, Furniture, Equipment, Fixtures and Alterations to Rented Premises, less amounts written off .....		\$ 102,177.00
Cash on Hand, in Transit and in Banks .....	\$ 251,819.75	
Accounts Receivable .....	389,944.17	
Inventories of Liquor and Supplies in Warehouses and Stores (Valued at Cost) .....	\$5,826,403.37	
Prepaid Charges .....		\$6,468,167.29 27,619.75
		<u>\$6,597,964.04</u>

## LIABILITIES

Accounts Payable, Accrued Charges, Deferred Revenue, etc. ....		\$1,332,447.25
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*Due Provincial Treasurer, for*

Permit Sales—Balance from March 31st, 1942.....	\$ 9,705.78
Permit Sales—April 1st, 1942, to March 31st, 1943 (Net) .....	1,064,036.39
Permit Sales—1943-1944 less expenses .....	21,290.84

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1,095,033.01

<i>Less:</i> Paid to Provincial Treasurer .....	1,050,000.00
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45,033.01

Confiscated Liquor Stocks .....	6,074.09	51,107.10
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\$1,383,554.35
*Surplus:*

Balance carried from Surplus Account .....	21,439,409.69
<i>Less:</i> Paid to Provincial Treasurer during the year ended March 31st, 1943 .....	16,225,000.00

Balance March 31st, 1943 .....	<u>5,214,409.69</u>
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*Contingent Liabilities:*

Liquors ordered but not delivered (including duty, freight, etc.) .....	\$1,717,046.68
Duty on Stocks in Bond .....	2,350,229.89

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\$6,597,964.04

## AUDITORS' CERTIFICATE

We hereby certify that, in our opinion, the above Balance Sheet exhibits a true and correct view of the affairs of The Liquor Control Board of Ontario as at March 31st, 1943, and that the records and accounts of the same date conform thereto.

ROBERTSON, ROBINSON, McCANNELL &amp; DICK,

*Chartered Accountants.*

Toronto, June 29, 1943.

## PROFIT AND LOSS ACCOUNT

For the Year Ended March 31st, 1943

		Percentage to Sales	
		1942-1943	1941-1942
<i>Sales by Vendors</i>			
Store Counter and Mail Order			
Sales of Wines, Spirits and Beer	\$39,450,156.53		
Beer Orders taken at Stores for delivery by Brewers' and Brewers' Warehouses	10,340.05		
	<u>\$39,460,496.58</u>	100.00%	100.00%
Stock on Hand March 31st, 1942 ..	5,283,038.97		
Purchases .....	26,239,187.68		
	<u>31,522,226.65</u>		
Less: Stock on Hand March 31st, 1943 .....	5,770,980.65		
	<u>25,751,245.68</u>	65.26%	67.23%
Gross Profit on Sales .....	\$13,709,250.90	34.74%	32.77%
Miscellaneous Earnings .....	17,684.22	.04%	.04%
	<u>13,726,935.12</u>	34.78%	32.81%
<i>Expenses:</i>			
Administration and Operating Expenses, Head Office, Warehouses and Stores—Schedule I	2,011,978.88		
Items written off .....	415.41		
Depreciation on Furniture, Equipment, Fixtures and Alterations to Rented Premises written off and reserved for ..	41,921.14	2,054,315.43	5.20% 5.90%
	<u>11,672,619.69</u>	29.58%	26.91%
<i>Other Revenue:</i>			
Brewers' Warehouse License Fees .....	148,757.99		
Brewers' License Fees .....	95,750.00		
Malt Tax .....	2,761,088.97		
Gallonage Tax .....	919,118.39		
Authority Holders' Fees (Net after deducting Municipalities' Share) .....	1,561,703.63		
Miscellaneous Licenses .....	1,570.00		
Fines (Net) .....	37,658.28		
Native Wine Tax and Licenses.	283,991.93		
	<u>5,809,639.19</u>	14.72%	16.48%
Net Income for Year carried to Surplus Account .....	<u>\$17,482,258.88</u>	44.30%	43.39%

## SURPLUS ACCOUNT

For the Year Ended March 31st, 1943

Balance as at March 31st, 1942 .....	\$ 3,958,088.30
Deduct Sundry Adjustments .....	937.49
	<u>3,957,150.81</u>
Add Net Income for the year ended March 31st, 1943 .....	17,482,258.88
Balance carried to Balance Sheet .....	<u>\$21,439,409.69</u>

## SCHEDULE I

## ADMINISTRATION AND OPERATING EXPENSES

## HEAD OFFICE, WAREHOUSES AND STORES

For the Year Ended March 31st, 1943

and

Number of Employees on the Staff at March 31st, 1943

		Percentage to Total Sales 1942-1943	1941-1942
Salaries (Less Permit Allowance) .....	\$1,212,778.00	3.07%	3.42%
Legal and Audit .....	17,921.06	.04%	.04%
Rent paid, less received .....	192,126.49	.49%	.59%
Travelling .....	55,198.15	.14%	.16%
Superannuation .....	47,741.96	.12%	.15%
Insurance .....	14,300.19	.04%	.04%
Postage .....	12,281.00	.03%	.04%
Stationery .....	34,231.62	.09%	.11%
Telephone and Telegraph .....	14,176.30	.04%	.04%
Protection Service .....	5,253.79	.01%	.01%
Breakage .....	5,925.06	.01%	.01%
Light, Heat and Power .....	35,705.87	.09%	.10%
Repairs and Maintenance .....	26,368.79	.07%	.09%
Sundries .....	17,151.35	.04%	.05%
Freight and Cartage .....	138,268.83	.35%	.40%
Terminal Warehouse Charges .....	108,507.33	.27%	.24%
Taxes — Business .....	24,415.53	.06%	.07%
Discounts to Hospitals, etc. ....	2,558.55	.01%	.01%
Truck Maintenance .....	18,361.75	.05%	.06%
Packing Materials .....	28,707.26	.07%	.10%
	<u>\$2,011,978.88</u>	<u>5.09%</u>	<u>5.73%</u>

## NUMBER OF EMPLOYEES ON STAFF

(Including one hundred and seven temporary employees whose services are either part-time or seasonal)

Commissioner's Staff .....	1
Director of Hotels and Personnel .....	26
Comptroller's Staff .....	11
Legal Department .....	1
Accounting Department .....	58
Beer and Wine Department .....	29
Permit Department .....	24
Purchasing and Supply Department .....	7
Traffic Department .....	3
Customs Department .....	4
Stock Supervision Department .....	14
Brewery Inspection Department .....	28
Winery Inspection Department .....	3
Winery Licence Department .....	2
Store Inspection Department .....	11
Supervision of Stores and Properties .....	4
Head Office Maintenance Staff .....	4
Garage .....	6
Stores .....	638
Warehouses .....	70
	<u>708</u>
	944



## SCHEDULE II

LIQUOR STORES, LICENSED BREWERS' RETAIL STORES, BREWERIES  
AND WINERIES IN ONTARIO AT 31st MARCH, 1943

## LIQUOR STORES

## Store No.

1	Church and Lombard Streets	Toronto
2	122 Wellington Street West	Toronto
3	1271 Dundas Street West	Toronto
4	170 Danforth Avenue	Toronto
5	1881 Queen Street East	Toronto
6	1271 Queen Street West	Toronto
7	2223 Dundas Street West	Toronto
8	928 St. Clair Avenue West	Toronto
9	959 Bloor Street West	Toronto
10	1121 Yonge Street	Toronto
11	949 Gerrard Street East	Toronto
12	402 Parliament Street	Toronto
13	1448 Danforth Avenue	Toronto
14	454 Spadina Avenue	Toronto
15	292 Dupont Street	Toronto
16	106 Richmond Street West	Toronto
18	Midland Avenue and Kingston Road	Scarboro Bluffs
19	Rogers Road and Blackthorn Avenue	Toronto
20	802 Lake Shore Road	New Toronto
21	29 Charles Street	Hamilton
22	673 King Street East	Hamilton
23	1057 Barton Street East	Hamilton
24	216 King Street	Port Colborne
25	81 King Street West	Dundas
26	419 Talbot Street	London
27	629 Dundas Street	London
28	12 Canal Street	Dunnville
29	Berford Street	Warton
30	82 Durham Street	Walkerton
31	47 Hurontario Street	Collingwood
32	94 Wyandotte Street East	Windsor
33	241 Drouillard Road	Windsor
34	1284-86 Ottawa Street	Windsor
35	3236 Sandwich Street West	Windsor
36	272 Queen Street	Ottawa
37	685 Bank Street	Ottawa
38	188 Rideau Street	Ottawa
39	King Street East	Cobourg
40	42-46 Princess Street	Kingston
41	209 Victoria Avenue	Fort William
42	101 King Street West	Brockville
43	137 King Street East	Kitchener
44	69 Dalhousie Street	Brantford
45	408 George Street	Peterborough
46	224 Front Street North	Sarnia
47	23 Ontario Street	St. Catharines
48	937 Victoria Avenue	Niagara Falls
49	66 Pitt Street	Cornwall
50	Cedar and Elgin Streets	Sudbury
51	72 Carden Street	Guelph
52	24-26 Cross Street	Welland
53	66 Cumberland Street South	Port Arthur
54	88 Main Street East	North Bay
55	32 Pembroke St. West	Pembroke
56	King Street	Prescott
57	37 Bridge Street East	Belleville
58	8½ Balsam Street North	Timmins
59	72 Collier Street	Barrie
60	88 Ontario Street	Stratford
61	210 King Street West	Chatham
62	314 Talbot Street	St. Thomas
63	343 Queen Street East	Sault Ste. Marie
64	516 Dundas Street	Woodstock

## LIQUOR STORES—Continued

Store No.		
65	Front Street	Trenton
66	6th Avenue North	Cochrane
67	Main and Ferguson Streets	Haileybury
68	214 Main Street South	Kenora
69	Church Street and Mowat Avenue	Fort Frances
70	22 Beckwith Street	Smith's Falls
71	King and Main Streets	Gananoque
72	34 Gore Street	Perth
73	610 King Street	Preston
74	67 Robinson Street	Simcoe
75	226 Devonshire Avenue	Iroquois Falls
76	28 Silver Street	Cobalt
77	121 Main Street	Penetang
78	Wellington Street and Whitewood Ave.	New Liskeard
79	79 Walton Street	Port Hope
80	Parry Sound Road	Parry Sound
81	King and Queen Streets	Sturgeon Falls
82	79 Kent Street	Lindsay
83	31 Main Street West	Hawkesbury
84	Main Street	Pictou
85	Daniel and Elgin Streets	Arnprior
86	Queen and White Streets	Dryden
87	Fourth Avenue	Sioux Lookout
88	River Street East	Paris
89	Pembroke and Mattawa Road	Mattawa
90	90 Simcoe Street North	Oshawa
91	4 Kirkland Street	Kirkland Lake
92	Third Street	Englehart
93	Gilmour Road	Fort Erie
94	Bridge Street North	Eganville
95	21 Water Street North	Galt
96	112 Main Street	Deseronto
97	Dundas Street	Napanee
98	22 Main Street	Alexandria
99	Emard Street	Embrun
100	25 Albert Street	Thorold
101	48 Main Street	Grimsby
102	Muskoka Street	Gravenhurst
103	Tudhope Street	Espanola
104	Main Street East	Thessalon
105	Concession Street and Bridge Street	Tamworth
106	Main Street	Huntsville
107	Main Street	Palmerston
108	Woodward Avenue	Blind River
109	Murray and Bathurst Streets	Amherstburg
110	46 Wallace Street	Wallaceburg
111	Bedford Street	Westport
112	37 Government Road	Kapuskasing
113	Opongo Street	Barry's Bay
114	Corner Fourth Street and Broadway	Rainy River
115	36-38 King Street South	Waterloo
116	26 Arthur Street	Elmira
117	17 Birch Street	Chapleau
118	114 Young Street	Capreol
119	9 Main Street	Merrickville
120	West Dock	Pelee Island
121	1008 Wellington Street West	Ottawa
122	George Street	Hearst
123	Main Street	Lancaster
124	Corner Pictou and King Streets	Niagara-on-the-Lake
125	99 Laurier Street	Rockland
126	Queen Street	Tilbury
127	Main Street	Morrisburg
128	Bruce Avenue	South Porcupine
129	Main Street	Geraldton
130	Manitoba Street	Bracebridge
131	Erie Street South	Ridgetown

## BREWERS' RETAIL STORES

Store No.		
1W	572½ Church Street	Toronto
2W	194 Queen Street East	Toronto
3W	614 Queen Street West	Toronto
4W	398 College Street	Toronto
5W	955 Bloor Street West	Toronto
6W	1257 Queen Street West	Toronto
7W	2160 Dundas Street West	Toronto
8W	1083 St. Clair Avenue West	Toronto
9W	440 Danforth Avenue	Toronto
10W	2149 Danforth Avenue	Toronto
11W	145 John Street North	Hamilton
12W	1080 Barton Street East	Hamilton
13W	83 Carling Street	London
14W	594 Dundas Street	London
15W	413 Hamilton Road	London
16W	1573 McDougall Street	Windsor
17W	1246 Ottawa Street	Windsor
18W	4281 Wyandotte Street East	Windsor
19W	268 Queen West	Ottawa
20W	Broad and Wellington Streets	Ottawa
21W	208 Wellington Street	Kingston
22W	670 Bridge Street	Niagara Falls
23W	78 Niagara Street	St. Catharines
24W	11 College Street	Kitchener
25W	217 Talbot Street	St. Thomas
26W	211 Pearl Street	Port Arthur
27W	269 Water Street	Peterborough
28W	131 Wellington Street	Brantford
29W	113 Quebec Street East	Guelph
30W	594 East Market and Water Streets	Brockville
31W	6 Dover Street	Chatham
32W	221 Sherman Avenue North	Hamilton
33W	155 Front Street	Belleville
34W	68-72 Pitt Street	Cornwall
35W	University and Spring Streets	Cobourg
36W	177 Main Street	Prescott
37W	22 Lorne Street	Sudbury
38W	210 Maxwell Street	Sarnia
39W	107 Oak Street West	North Bay
40W	2 King Street East	Lindsay
41W	193 Railway Street	Cochrane
42W	215 Bay Street	Sault Ste. Marie
43W	16 Victoria Street North	Smiths Falls
44W	Front Street	Trenton
45W	15 Riverbank Street	Welland
46W	36-38 Reeve Street	Woodstock
47W	32 Erie Street	Stratford
48W	Killally Street	Port Colborne
49W	1 Second Street	Timmins
50W	Pond Street	Simcoe
51W	269 Mill Street	Port Hope
52W	19 Main Street	Penetang
53W	182 Victoria Street	Pembroke
54W	553 King Street	Preston
55W	27 Cockburn Street	Perth
56W	Railway Street	Kenora
57W	624 Mowat Street	Fort Frances
58W	187 King Street	Gananoque
59W	5 Gilmour Road	Fort Erie
60W	16 Bayfield Street	Barrie
61W	330 Catherine Street	Ottawa
62W	Brunel and Main Streets	Huntsville
63W	82 Amwell Street	Haileybury
64W	First Avenue and Second Street North	Geraldton
65W	Elgin and Harriett Streets	Arnprior
66W	156 Lake Shore Road	Mimico
67W	Ross Street	Picton
68W	Murray and Bathurst Streets	Amherstburg
69W	North Cayuga Street	Dunnville
70W	Main Street	Belle River

## BREWERS' RETAIL STORES—Continued

Store No.		
71W	Main Street .....	Glencoe
72W	Champagne Street .....	Parry Sound
73W	Main Street .....	Ridgetown
74W	Queen Street South .....	Tilbury
75W	55-57 First Avenue .....	Schumacher
76W	1087 Queen Street East .....	Toronto
77W	59 King West .....	Dundas
78W	499 James Street North .....	Hamilton
79W	1 Queen's Avenue .....	Leamington
81W	161 King Street West .....	Oshawa
82W	24 St. Paul Street .....	St. Catharines
83W	9 Market Street .....	Thorold
84W	4 Dunn Street .....	Oakville
85W	Front Street .....	Sionx Lookout
86W	Berford Street .....	Warton
87W	35 Prospect Avenue .....	Kirkland Lake
88W	Durham and Peter Streets .....	Walkerton
89W	39 Dickson Street .....	Galt
90W	Muskoka Road and Main Street .....	Gravenhurst
91W	Mill Street .....	Napanee
92W	162 Wyandotte Street East .....	Windsor
93W	Nelson Street .....	Wallaceburg
94W	1393 Gerrard Street East .....	Toronto
95W	Goderich and Green Streets .....	Port Elgin
96W	6 Marlborough Street South .....	East Cornwall
97W	Locke Street .....	Morrisburg
98W	2422 Dufferin Street .....	York Township
99W	1133 Yonge Street .....	Toronto
100W	Norman Street .....	Palmerston
101W	Elgin and Simcoe Streets .....	Collingwood
102W	591-3 Bayview Avenue .....	Leaside
103W	Government Road .....	Kapuskasing
104W	Nation Street .....	Casselman
105W	325 Simpson Street .....	Fort William
106W	13 Water Street .....	Burlington
107W	Broadway and London Streets .....	Tillsonburg
108W	149 West Frederika Street .....	West Fort William
109W	Durham Road .....	Hanover
110W	Market and Mill Streets .....	Georgetown
111W	Main and Thomas Streets .....	Bracebridge
112W	1373 Main Street East .....	Hamilton
113W	Main Street .....	Blenheim
114W	123 Brock Street North .....	Whitby
115W	326 Silverthorn Avenue .....	York Township
116W	Main Street West .....	Kingsville
117W	Main Street .....	Thedford
118W	2108 Main Street South .....	Niagara Falls

## BREWERIES

Bixel Brewing & Malting Company, Ltd. ....	Brantford
Blue Top Brewing Company, Limited .....	Kitchener
Brading Breweries, Limited .....	Ottawa
British American Brewing Company, Ltd .....	Windsor
Canada Bud Breweries, Limited .....	Toronto
Capital Brewing Company, Limited .....	Ottawa
Carlings Breweries, Limited .....	Waterloo
Copland Brewing Company, Limited .....	Toronto
Cosgrave's White Label Brewery, Limited .....	Toronto
Cosgrave's White Label Brewery (East Toronto) Ltd. ....	Toronto
Formosa Springs Brewery, Limited .....	Formosa
Fort Frances Brewing Company, Limited .....	Fort Frances
Kakabeka Falls Brewing Company, Ltd. ....	Fort William
John Labatt, Limited .....	London
Lake of the Woods Brewing Company, Limited .....	Kenora
O'Keefe's Brewing Company, Limited .....	Toronto
Perth Brewery .....	Stratford
Port Arthur Beverage Company, Limited .....	Port Arthur
Soo Falls Brewing Company, Limited .....	Sault Ste. Marie
Sudbury Brewing & Malting Company, Limited .....	Sudbury
Union Brewery, Limited .....	Timmins
Walkerville Brewery, Limited .....	Windsor

LICENSED BREWING COMPANIES LOCATED OUTSIDE THE PROVINCE OF ONTARIO, THE  
PRODUCTS OF WHICH ARE SOLD THROUGH ONTARIO BREWERS' RETAIL STORES

Molson's Brewery, Limited .....	Montreal, Que.
National Breweries, Limited .....	Montreal, Que.
(Wm. Dow & Co.—Montreal)	
(Dawes Black Horse Breweries—Montreal)	
(Frontenac Breweries, Ltd.—Montreal)	

## WINERIES

## SALES OFFICES

Acme Wine Co. Ltd., .....	708 Danforth Ave., Toronto
889 Queen St. W., Toronto.	
Barnes Wines Ltd., .....	703 Yonge St., Toronto
Grantham Twp., St. Catharines.	16 Main St. E., North Bay
	189 Front St., Belleville
Bordeaux Wines Ltd., .....	771 Queen St. E., Toronto
R.R. No. 2, Stone Road, Niagara-on-the-Lake.	
Bright's Wines, Limited.....	513 St. Clair Ave. W., Toronto
Dorchester Road, Niagara Falls,	209 Yonge St., Toronto
Stamford Township.	186 Sparks St., Ottawa
	91 King St. E., Hamilton
	31-33 Elm St., Sudbury
	591 Ouelette Ave., Windsor
	187 Dundas St., London
	520 Bloor St. W., Toronto
	261 Coxwell Ave., Toronto
Chateau Gai Wines Ltd., .....	878 Yonge St., Toronto
Stamford and Grantham Twps., Niagara Falls.	378 Talbot St., St. Thomas
	306 St. Paul St., St. Catharines
	940 St. Clair Ave. W., Toronto
Cooksville Wine Vaults .....	Dundas Highway, Cooksville
Alex. Thomas, Prop.,	
Dundas Highway, Cooksville.	
Danforth Wines Ltd., .....	1426 Yonge St., Toronto
1076 Lakeshore Rd., New Toronto.	828 Lakeshore Road, New Toronto
	2091 Danforth Ave., Toronto
	26 Queen St. E., Toronto
Grimsby Wines Ltd., .....	427 Spadina Ave., Toronto
164 Main St. W., Grimsby.	
Hamilton, J. S. & Co. Ltd., .....	44-46 Dalhousie St., Brantford
44-46 Dalhousie St., Brantford.	
Jordan Wine Co. Ltd., .....	169 Sparks St., Ottawa
St. Catharines	1314 Bloor St. W., Toronto
Kitchener Winery, .....	180 King St. W., Kitchener
Bruno Huehnergard, Prop.	
R.R. No. 3, Kitchener	
London Winery Ltd., .....	1548 Bloor St. W., Toronto
Lambeth Highway, Westminster Twp., London.	123 Dundas St., London
	268 Princess St., Kingston
	52 Rideau St., Ottawa
	174 King St. W., Chatham
	Carden & Wyndham, Guelph
Fred Marsh Winery Ltd., .....	73 Bank St., Ottawa
R.R. No. 3, Portage Road, Niagara Falls	31 Second St., Cornwall
National Wine Co. Ltd., .....	27 Brock Ave., Toronto
27 Brock Ave., Toronto.	
Old Battlefield Wine Co., .....	287 Ottawa St. N., Hamilton
Bertrand Sanderson, Prop.,	
R.R. No. 5, Hamilton.	
The Parkdale Wines Ltd., .....	181 Bathurst St., Toronto
181-185 Bathurst St., Toronto.	1157 St. Clair Ave. W., Toronto
	42 Government Rd. W., Kirkland Lake
	501 Church St., Toronto

## WINERIES—Continued

Peerless Wine Mfgs. Ltd., .....	448 Queen St. E., Toronto
448 Queen St. E., Toronto.	
St. Catharines Wine Co. of Canada Ltd., .....	10-10½ Cedar St. S., Timmins
Woodburn Ave., St. Catharines.	497 Parliament St., Toronto
Turner Wine Company, .....	198 Queen St. W., Toronto
Mrs. H. Padden Robinson, Prop.,	15 King William St., Hamilton
104-106 Front St. E., Toronto.	
Twin City Wine Co., .....	287 Bay St., Port Arthur
514 McTavish St., Fort William.	
Welland Winery, .....	272 King St., Welland
Louis Banko, Prop.,	
268 King St., Welland.	

## SCHEDULE III

STATEMENT SHOWING THE NUMBER OF PERMITS AND LICENSES  
WHICH WERE ISSUED DURING THE TWELVE MONTH'S PERIOD  
ENDING MARCH 31st, 1943

## Permits

Resident .....	214,795
Temporary .....	2,574
Duplicate .....	1,962
Single Purchase .....	4,450,739
Hospitals .....	240
Physician .....	72
Druggist .....	1,593
Dentist and Veterinary Surgeons .....	34
Manufacturers .....	173
Mechanical and Scientific .....	117
Duplicate Special .....	9

## Licenses

Brewers' .....	26
Brewers' Retail Stores .....	1,530
Native Wine .....	21
Sacramental Wine Vendorships .....	7
Non-Potable Alcohol Storage Warehouses .....	4



SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES  
ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE  
YEAR WITH NUMBER OPERATIVE ON MARCH 31st., 1943  
Schedule IV

Municipalities	Authorities Issued				Authorities Cancelled or Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1943				Standard Hotel Licenses Issued to non-authority holders
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	
Acton.....	2												2				
Adjala Township.....	1												1				
Alexandria.....	2												2				
Alfred Township.....	3												3				
Algoma North Township.....	1												1				
Alliston.....																	1
Almonte.....	1												1				
Alvinston.....	2												2				
Ameliasburg.....																	
Amherstburg.....	2	1											1	1			
Anderdon Township.....	2												2				
Anson Township.....	1												1				
Armstrong Township.....	2												2				
Arnprior.....	2												2				
Arthur.....	2												2				
Assignack Township.....																	1
Aylmer.....	1																1
Aylmer.....	1																1
Bala.....	2												2				





SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1943 Schedule IV—(Continued)

Municipalities	Authorities Issued				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1943				Standard Hotel Licenses Issued to non-authority holders
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	
Casimir Township.....	1								1				
Casselman.....	2		1						2				
Cayuga.....	2								2				
Chandos Township.....													1
Chapleau Township.....													3
Chappel Township.....	1								1				
Charlottenburg Twp.....													1
Chatham Township.....	1	3	2		1				9	3	2		
Chatham.....	0												
Chatsworth.....	1								1				
Chelmsford.....	2				1				2				
Chesley.....													1
Chesterville.....	2								2				
Chippawa.....	2								2				
Clarence Township.....	4								4				
Clifford.....	1								1				
Clinton.....													1
Cobalt.....	2	1							2	1			
Cobourg.....	6		1						6		1		











SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES  
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YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1943 Schedule IV—(Continued)

Municipalities	Authorities Issued				Authorities Cancelled, Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1943				Standard Hotel Licenses Issued to non-authority holders
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Niagara Town .....	3	2	9	..	1	..	6	..	2	2	3	..	2	2	3	..	1
Niagara Township .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nipigon Township .....	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Normanby Township .....	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Bay .....	6	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..
North Bay .....	4	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1
Orangeville .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Orillia .....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Orillia Township .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Oshawa .....	4	2	2	..	..	..	..	..	..	..	..	..	..	2	2	..	..
Oshawa .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Osnabrock Township .....	40	7	17	..	3	1	1	..	2	39	6	..	1	16	1	..	2
Ottawa .....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Owen Sound .....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paipoonge Township .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston .....	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paris .....	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Parry Sound .....	2	1	..	..	1	..	..	..	..	1	1	..	..	..	..	..	..
Pelee Island .....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pembroke .....	5	1	1	..	..	..	..	..	..	1	1	..	..	1	1	..	..





SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1943 Schedule IV—(Continued)

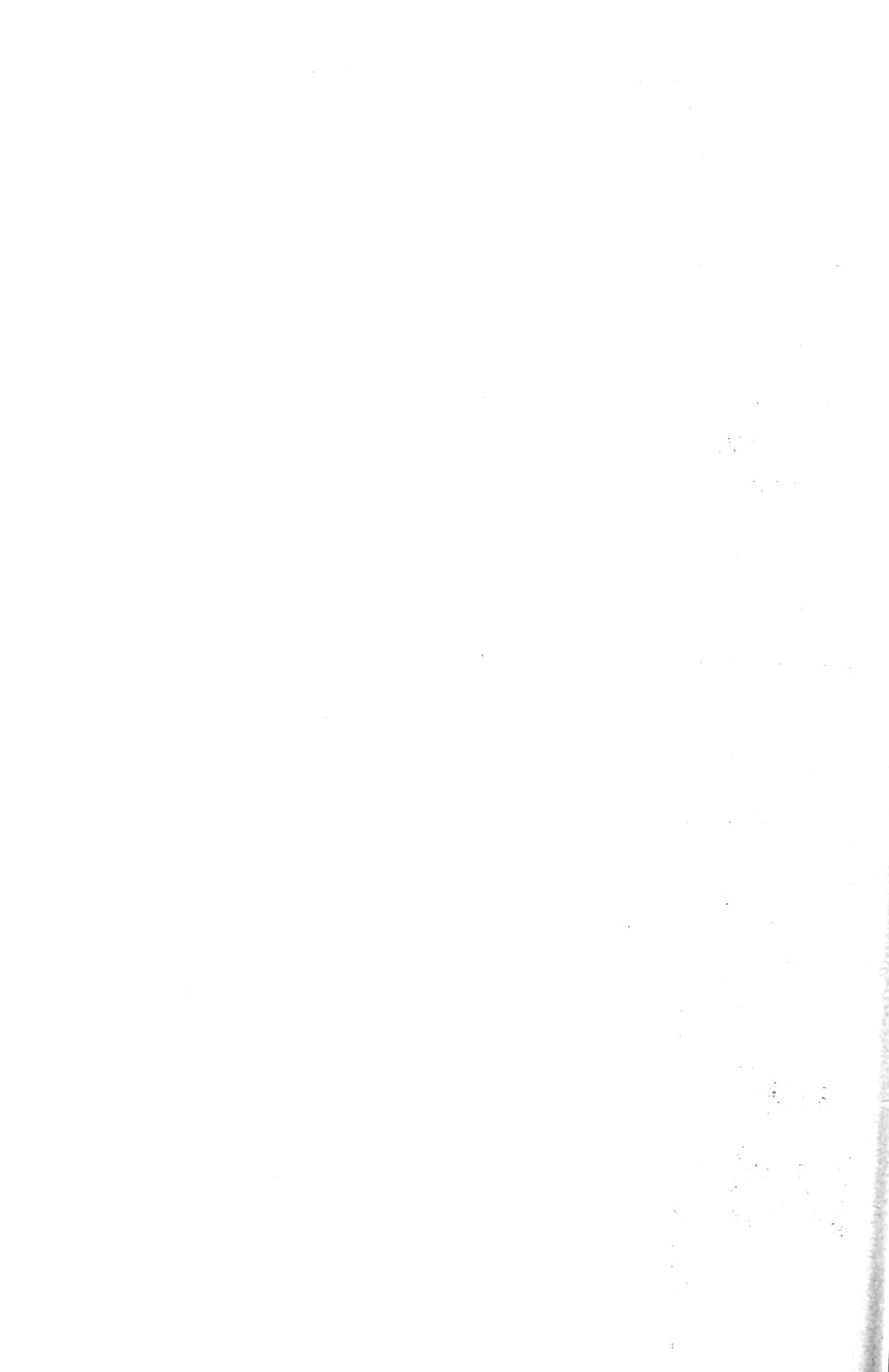
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Sandwich W. Township.....	4	3	..	..	1	1	..	..	1	1	..	..	4	3	..	..	..
Sarnia.....	6	1	1	2	..	..	..	..	..	..	..	..	6	1	..	..	..
Sault Ste. Marie.....	14	7	2	..	..	1	..	..	..	..	..	..	14	6	2	..	..
Scarboro Township.....	7	6	..	..	..	..	..	..	..	..	..	..	7	6	..	..	..
Seaforth.....	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..
Sheffield Township.....	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Sherwood Township.....	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
Shuniah Township.....	..	1	2	..	1	..	..	..	..	..	..	..	..	2	..	..	..
Simcoe.....	5	1	..	..	..	..	..	..	..	..	..	..	5	1	..	..	..
Sioux Lookout.....	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..
Smiths Falls.....	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..
Smooth Rock Falls.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Sombra Township.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Southampton.....	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
South River.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Southwold Township.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Springfield.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Springer Township.....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stamford Township.....	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..



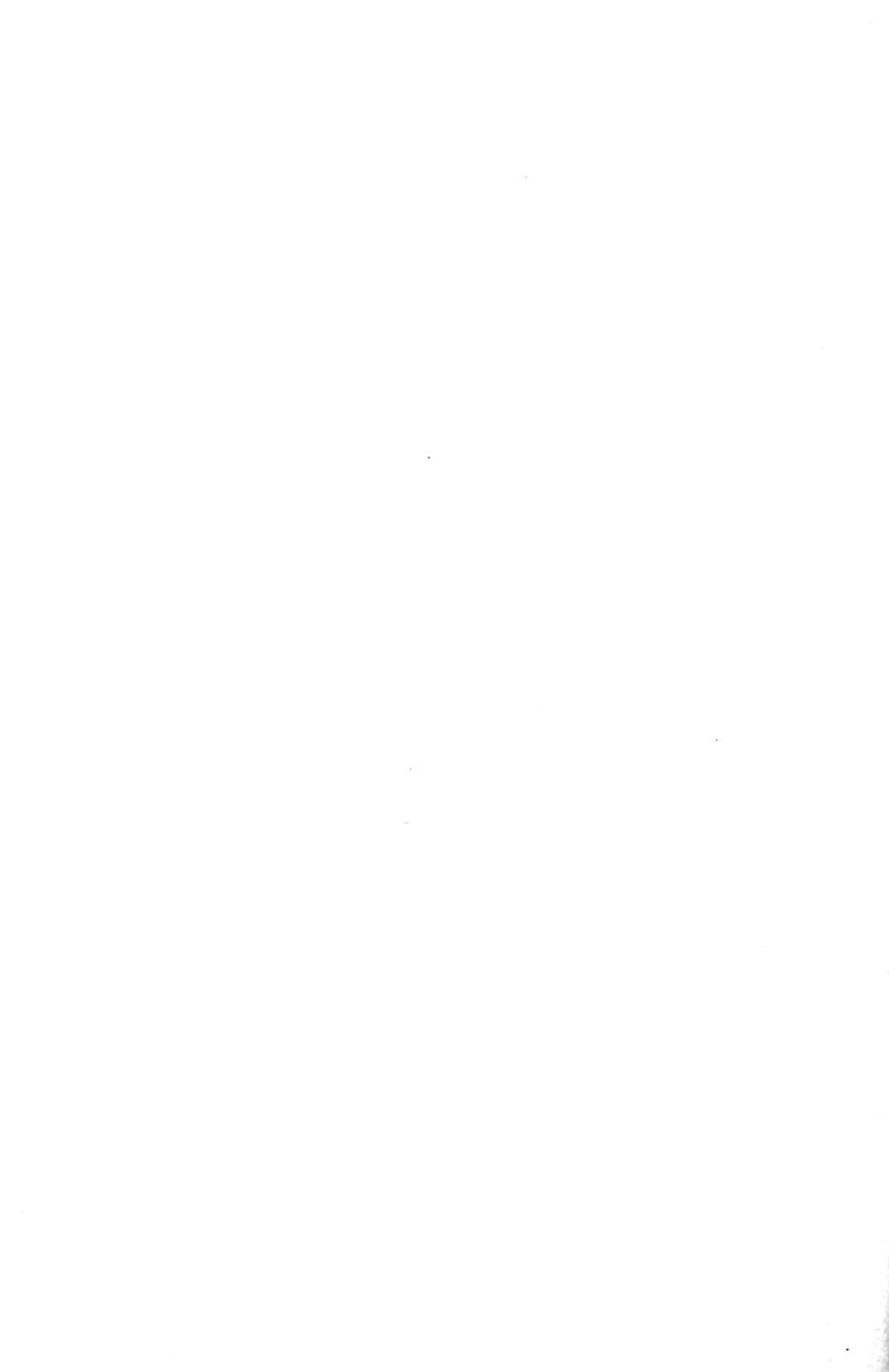
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Watford.....	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Webbwood.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Welland.....	6	3	..	..	..	..	..	..	..	..	..	..	6	3	..	..	..
Wellesley Township.....	5	..	1	..	1	..	..	..	..	..	..	..	5	..	..	..	..
Westport.....	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Whitby.....	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..
Whitby Township.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Whitney Township.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Wilton.....	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Wicksteed Township.....	2	..	1	..	1	..	..	..	..	..	..	..	2	..	..	..	2
Windermerc.....	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..
Widdfield.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Williamsburg Township.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Willoughby Township.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Willmot Township.....	6	..	..	..	5	..	..	..	..	..	..	..	6	..	..	..	..
Windnot Township.....	63	13	6	1	9	..	..	..	..	..	..	..	62	13	6	..	..
Windsor.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wingham.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Wolfe Island Township.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Woodbridge.....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..











Ontario Department of Agriculture

REPORT

OF THE

Minister of Agriculture

Province of Ontario

FOR THE YEAR ENDING MARCH 31<sup>st</sup>, 1943

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Printed by Order of  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
(Sessional Number 21)



ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the  
King's Most Excellent Majesty.

1943



DEPARTMENT OF AGRICULTURE  
PROVINCE OF ONTARIO

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TO THE HONOURABLE ALBERT MATTHEWS, LL.D.,  
*Lieutenant-Governor of Ontario.*

MAY IT PLEASE YOUR HONOUR:

I have the honour to submit the Report of the Department of  
Agriculture for the year 1942-43.

I have the honour to be, Sir,

Your obedient servant,

P. M. DEWAN,

*Minister of Agriculture.*

Toronto, March 31, 1943.

# PRINCIPAL OFFICERS OF THE DEPARTMENT OF AGRICULTURE

THE HONOURABLE P. M. DEWAN, Minister

W. R. REEK, Deputy Minister

MISS J. M. FRY, Secretary to the Minister

MISS M. S. MARTIN, Accountant

G. I. CHRISTIE, B.S.A., D.Sc.	<i>President, Ontario Agricultural College, Guelph.</i>
C. D. MCGILVRAY, M.D.V., D.V.Sc	<i>Principal, Ontario Veterinary College, Guelph.</i>
M. C. McPHAIL, B.S.A.	<i>Principal, Kemphville Agricultural School.</i>
E. F. PALMER, B.S.A.	<i>Director, Horticultural Experimental Station, Vineland.</i>
J. C. STECKLEY, B.S.A.	<i>Director, Western Ontario Experimental Farm Ridgeway.</i>
N. C. ENGELTER	<i>Acting Director, Statistics and Publications Branch.</i>
J. A. CARROLL, B.S.A.	<i>Superintendent, Agricultural and Horticultural Societies Branch.</i>
L. E. O'NEILL, B.S.A.	<i>Director, Live Stock Branch.</i>
MISS MARY A. CLARKE, M.A.	<i>Superintendent, Women's Institute Branch.</i>
P. W. HODGETTS, B.S.A.	<i>Director, Fruit Branch.</i>
C. E. LACKNER, B.S.A.	<i>Director, Dairy Branch.</i>
R. S. DUNCAN, B.S.A.	<i>Director, Agricultural Representative Branch.</i>
CHARLES M. MEEK, B.S.A.	<i>Chairman, Milk Control Board of Ontario.</i>
G. F. PERKIN, B.A.	<i>Director, Co-operation and Markets Branch.</i>
J. D. McLEOD	<i>Director, Crops, Seeds and Weeds Branch.</i>
R. W. THOMPSON, B.S.A.	<i>Provincial Entomologist.</i>
L. STEVENSON, B.V., Sc., M.S.	<i>Provincial Zoologist.</i>
T. A. DOUGLAS, B.S.A.	<i>Superintendent, New Liskeard Demonstration Farm.</i>
W. A. MONTCALM, B.S.A.	<i>Superintendent, Hearst Demonstration Farm.</i>

# ONTARIO AGRICULTURAL COLLEGE

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In the regular courses in Agriculture, the enrolment for the year was 293.

The freshman class consisted of 70 students, an increase of 14 over the previous year. The graduating class had an enrolment of 71.

On account of the small number of applications received for the first year of the Two Year Course, it was decided to cancel this class. The second year was continued. With the closing of the Kemptville School, students of the second year of that institution were permitted to take the second year of the Two Year Course at this College. A group of 5 made the transfer and completed the year's work successfully.

Winter short courses held during the period December 28, 1942 to January 2, 1943, were attended by 373 young men and women. A large number of these were given scholarships and grants by Kiwanis Clubs, Rotary Clubs, Farm Federation, United Farmers of Ontario and Ontario Milk Producers' Association. The course in co-operation had a large attendance and reflected the widespread interest in farm organization, co-operative marketing, and purchasing of farm products.

### *School of Cookery*

The R.C.A.F. School of Cookery has had an enrolment of 576. The College has co-operated by furnishing instructors from the Departments of Home Economics, Horticulture, Dairying, Poultry, Bacteriology, Entomology and the Meat Laboratory.

### *Radio Technicians' Courses*

In co-operation with the Department of National Defence, courses for radio technicians were continued throughout the year. The fifth course was completed on March 15, 1943.

Instruction was carried on in the Department of Agricultural Engineering under the direction of Professor W. C. Blackwood and Professor R. C. Moffatt. Additional instructors were engaged to assist in this work. The total attendance has reached 518.

### *Farm Machinery Short Course*

In co-operation with the Agricultural Representative Branch of the Department of Agriculture, a Farm Machinery Short Course was held December 7-11, 1942, in support of the campaign waged by the Farm Machinery Committee of the Department for the repair and adjustment of farm machines.

A group of Agricultural Representatives and leaders in the counties was selected to take this course. These people in turn served as instructors in the short courses held in the communities throughout the province. This work proved to be timely and most helpful.

### *Dairy Short Course for Women*

At the request of a number of dairy plants and organizations, a dairy short course for women was held April 6 — May 1, 1942. Instruction was given in all phases of dairy work, egg grading and nutrition.

### *War-time Course for Radio Announcers*

In co-operation with the Canadian Association of Broadcasters, the Department of English, under the direction of Dr. G. E. Reaman, held a course for radio announcers during the month of September, 1942. An effort was made to give helpful training to those interested in this type of service and to meet the urgent need of broadcasting stations.

## MILITARY TRAINING

### *Canadian Officers' Training Corps*

The Canadian Officers' Training Corps had another successful year with a strength of 262. An instructional officer, Major W. J. S. Knox of the Essex Scottish, Canadian Army Overseas, was assigned to the unit and rendered valuable service.

A two weeks' training course was taken at the Thames Valley Camp beginning May 28, 1942.

Under the leadership of Lt. Col. E. W. Kendall, members of the staff of the O.A.C. and O.V.C., the unit made an excellent showing and has received high commendation.

### *University Air Training Corps*

The University Air Training Corps, under the new plan agreed upon with Canadian universities, was organized and carried out with a group of 86 students of the Ontario Agricultural College and the Ontario Veterinary College. Instruction was given by members of the College staff and representatives of the No. 4 Wireless School.

Members of the first, second, and third years attended a two weeks' summer camp at No. 5 S.F.T.S., Brantford, at the conclusion of the College examinations. Students of the fourth year and O.V.C. students attended a later camp.

Professor E. H. Garrard, Head of the Department of Bacteriology, was appointed Officer Commanding the unit with the rank of Squadron Leader.

### *University Naval Training Division*

In co-operation with the Department of National Defence for Naval Services, a naval unit of the Area Command at Hamilton was organized for students of the two colleges. Professor A. W. Baker was instrumental in organizing the unit and arranged for the necessary instruction. On the transfer of Professor Baker to Headquarters at Toronto, Mr. Tolton of the Extension Department served as leader and carried out the many duties in connection with the closing of the year's work in a most satisfactory way.

### *Wireless School No. 4*

Wireless School No. 4 of the R.C.A.F. continues to occupy a number of the buildings and to use facilities of the College.

This part of the institution is rendering a most valuable service in the war effort. The staff and students are to be congratulated on winning the efficiency pennant three times in succession. This pennant now comes into the permanent possession of the school.

## HARVESTERS' EXCURSION

At the request of the Dominion Department of Labour, a group of 103 O.A.C. students spent the period from October 10th to November 6th, 1942, in Saskatchewan assisting with the wheat harvest. They were accompanied by Professor J. Laughland, Department of Field Husbandry, and Professor M. W. Staples, Department of Animal Husbandry.

The trip was a decided success from every viewpoint, in that it provided the students with valuable practical experience as to western methods of agriculture and gave the western farmers much needed help.

## VISIT OF GOVERNOR-GENERAL AND PRINCESS ALICE TO O.A.C.

Combining visits to the No. 4 Wireless School, R.C.A.F. and the Ontario Agricultural College, Their Excellencies the Earl of Athlone, Governor-General of Canada, and Princess Alice arrived in Guelph on June 19, 1942.

Following an inspection of No. 4 Wireless School, Their Excellencies spent some time visiting College grounds. A feature of the afternoon was a large gathering of farmers and their families, citizens of Guelph, and the children of Macdonald Consolidated School. The vice-regal party was welcomed by the Minister of Agriculture.

In a short address, His Excellency, the Governor-General expressed appreciation of the work of the College and commended the excellent showing of livestock.

## DRAFT HORSE FIELD DAY

Draft Horse Field Day was held at the Ontario Agricultural College on Tuesday, June 9th, 1942.

Previously, individual field days had been held for the different breed groups, but this year it was decided to combine them all into one day. This proved to be one of the outstanding events of the year, with a number of breeders throughout the province co-operating by sending in representative horses.

## FARM AND HOME WEEK

Farm and Home Week was held June 15-19, 1942, with an attendance of over 10,000.

There were special exhibits, appropriate to war-time, in all departments, with special interest centered around the display of labour-saving machinery and equipment and the parade of College livestock.

A variety programme for the women, which proved to be quite popular, was carried on each afternoon in Massey Hall. Of added interest were lectures on cooking, given by cooking staff members of the No. 4 Wireless School, R.C.A.F.

## ALUMNI REUNION

The annual reunion of the alumni of the Ontario Agricultural College and the alumnae of Macdonald Institute was held on Saturday, June 20, 1942, with a large attendance.

Professor Lawson Caesar, former Provincial Entomologist, who, prior to his retirement in 1940, had served as head of the Entomological Department for thirty-two years, was presented with an illuminated address together with the good wishes of the Ontario Minister of Agriculture, College Faculty, and Alumni members.

## HEAD OF DEPARTMENT OF ENTOMOLOGY CALLED TO ACTIVE SERVICE

On February 8, 1943, Professor A. W. Baker, Head of the Department of Entomology, was called to active service with the Department of National Defence for Naval Services with the rank of Lieutenant Commander.

Professor Baker has shown a great interest in naval affairs and was largely instrumental in the formation of a Navy Cadet Corps in Guelph about a year ago. In the fall of 1942 he secured the organization of a Naval Training Corps at O.A.C.

## HEAD OF DEPARTMENT OF AGRICULTURAL ECONOMICS ASSUMES POST IN WASHINGTON

Professor W. M. Drummond, who has been Head of the Department of Agricultural Economics for the past six years, left the College on March 9, 1943, to assume new duties as Assistant Washington Representative of the Canadian Wartime Prices and Trade Board.

In his new capacity he will act as Liaison Officer between the Federal governments at Ottawa and Washington on agricultural developments.

## SUPERANNUATION OF MISS BELLA MILLAR

After continuous service of more than thirty years on the College staff, Miss Catherine Isabella Millar was granted superannuation on February 15, 1943.

Miss Millar graduated from the O.A.C. Dairy School in 1898. During the next fourteen years she had a varied and successful experience managing commercial dairy plants, instructing in dairy schools, experimenting in improved methods of butter manufacture at the O.A.C., lecturing and demonstrating at Women's Institutes throughout Ontario, Nova Scotia, New York State, etc. In January, 1912, she was given a permanent appointment as instructor in dairying at the Ontario Agricultural College. Here she continued as a most efficient teacher and investigator up to the time of her retirement.



## COLLEGE FUNCTIONS

*Baccalaureate Service*

The annual Baccalaureate Service for the Graduating classes of the Agricultural College and the Veterinary College was held in Massey Hall on Sunday, March 29, 1942.

Rev. Gordon A. Sisco, M.A., D.D., Secretary of the United Church of Canada, delivered the sermon.

*Convocation Exercises for Students in Agriculture*

Convocation for the class of 1942 was held in War Memorial Hall on Tuesday, May 12, 1942. Ninety-two students received their degrees from the Chancellor of the University of Toronto, the Right Honourable Sir William Mulock.

Addresses were made by the Minister of Agriculture for Ontario, the Honourable P. M. Dewan, and President H. J. Cody of the University of Toronto.

Members of the graduating class honoured Sir William Mulock with an illuminated address and a small gift.

## SCHOLARSHIPS AND GIFTS

*The Dr. R. E. Stone Fund*

The late Dr. R. E. Stone, Associate Professor in the Department of Botany, in his will provided for a gift of \$1000 to the College for the use of the Department of Physical Education. Dr. Stone was an enthusiastic supporter of athletics on the campus. This fund will be used in furthering the work among the students.

*Maple Leaf Milling Co. Fellowship*

A fellowship fund has been established by the Maple Leaf Milling Co. for the purpose of research and study of Ontario winter wheat.

The wheat improvement programme of the Field Husbandry Department will be materially increased through this assistance. Mr. W. H. Waddell of the Dominion Rust Research Laboratory, Winnipeg, Manitoba, has been secured as a special research worker in this project.

*The Nutrition Foundation Inc. Fund*

In the big programme of assistance for universities and colleges in the study of nutritive values of fruits and vegetables, the Nutrition Foundation Inc. of New York City made a grant of \$3000 to support the project "Survey of the Ascorbic Acid Content of Ontario Grown Fruits and Vegetables", under the leadership of Dr. J. H. L. Truscott of the Department of Horticulture.

This project is carried on in close co-operation with Dr. T. G. H. Drake of the Sick Children's Hospital. Dr. F. F. Tisdall, a Director of the Nutrition Foundation and of the Sick Children's Hospital, has been an enthusiastic supporter of this work and was instrumental in securing the necessary funds.

*The Borden Company Limited Scholarship*

In the spring of 1943 the Borden Company Limited of Canada established an annual scholarship of \$200 at the Ontario Agricultural College.

This scholarship will be awarded to the student who, by a vote of a committee consisting of the staff of the Dairy Department at the College, is considered to be the best "all round" student in the Third Year of the Dairy Option. Consideration will be given to proficiency in scholarship, particularly in dairy subjects, and also to personality, industry and leadership.

## REPAIRS AND IMPROVEMENTS

### *New Barns*

During the year a new beef cattle barn was erected on the old basement, to replace the barn destroyed by fire on March 20, 1942. While this barn has not the same capacity as the old one, it is of modern construction and offers the necessary storage space for hay, grain, and supplies. The basement stables have been completely renovated, with new concrete and metal construction used for all the box stalls and pens.

An additional barn for bulls and young stock was also erected. As a measure of safety against fire loss, this barn is located a short distance from the others. It has a centre feeding hall with a feed room and five closed box stalls on one side, and a washing room and five pens of open construction on the opposite side. There are also large paddocks or exercising yards adjoining this barn.

### *New Water Main*

A new water main connecting the reservoir and the pumps in the central heating plant has been installed. As a part of this change, provision has been made for a continuous circulation of the water in the reservoir and the chlorination of the water. This work has been carried out under the direction of the Department of Public Works and the Department of Health.

### *College House Damaged by Fire*

House No. 9 on College Lane was seriously damaged by fire on the evening of October 19, 1942. Some damage was caused to the adjoining house. Both houses have been repaired and placed in first class condition.

## RESEARCH AND SERVICE

### *New Honey Containers Tested*

Since the use of black iron is now prohibited, the lacquered black iron containers which were used for a short time after tin went off the market are already unavailable. The bulk of the honey is now being sold in fibre board containers, sometimes with unsatisfactory results. Our tests of all available fibre board containers have shown that the lack of proper vapour proofing treatment was the cause of the trouble and recommendations have been made to manufacturers. We are now making tests of a composite container which we expect will be available for the 1943 crop.

### *Experiments with the Two-Queen System*

Experiments at the College apiaries showed that while single-queen colonies, operated under standard methods, produced an average of only 78 pounds of honey per colony, two-queen colonies with queens over-wintered

in nuclei at the College produced an average of 100 pounds of honey per colony, and two-queen colonies with queens imported from the south produced an average of 161 pounds of honey per colony.

#### *Apiary Inspection and Disease Control*

During the year 6,566 apiaries, consisting of 197,799 colonies, were registered.

Inspections were made of 3,882 apiaries containing a total of 72,059 colonies. Disease was found in 589 of the apiaries inspected, and the total number of diseased colonies destroyed was 2,559. One or more diseased colonies were found in 15 per cent of all apiaries inspected, but only 3½ per cent of all colonies inspected were diseased.

#### *Soil Testing Service*

Four thousand samples of soil sent in to the soil testing laboratory during the year were examined and recommendations for treatment made for each.

#### *Dairy Chemistry Service*

A total of 332 samples were analysed as follows: 200 of cheese, 64 of whey, 31 of milk, 12 of whey powder, 9 of butter, 4 of preservative, 8 of water, 1 of buttermilk powder and 3 miscellaneous.

#### *Fertilizer Experiments and Demonstrations*

Co-operative tests of different types of fertilizers on various field crops were conducted on 58 farms located in 20 counties throughout the province. These were all personally supervised by members of our staff and demonstration meetings were held in connection with many of them.

#### *Soil Surveys*

The regular soil survey programme for old or southern Ontario was considerably advanced during the year, and in addition a reconnaissance survey was made in five of the main agricultural areas of northern Ontario.

#### *Borax Treatment for Turnips*

Extensive field experiments have indicated that spraying with borax is a cheap and practical method of preventing water core or brown heart of turnips.

#### *Field Spraying of Tomatoes Not Profitable*

The results of four years' experimental work have failed to furnish any evidence that spraying tomatoes in the field is profitable. Other experiments indicate, however, that seed-bed spraying is advisable.

#### *Manganese Deficiency in Oats*

Experiments have shown that spraying with an aqueous solution of manganese sulphate is a cheap and effective means of preventing manganese deficiency symptoms in oats.

#### *Farm Drainage*

Some 286 farmers were given assistance with their drainage problems. Plans and specifications were prepared for each. A total of 2,274 acres was surveyed and 252,019 feet of drains were profiled.

### *Labour Saving Equipment*

Advice and practical assistance has been given to many hundreds of farmers in connection with the use of labour saving contrivances. Working drawings were prepared for the construction of the buck rake, power hoist, and one man sliding hay rack. These were printed and distributed in large numbers to farmers inquiring for them. Models of these and other labour saving devices were also made and exhibited at farmers' conventions in Toronto and at the Seed and Food Products Show at London.

### *Examination of Well Water Samples*

448 samples of farm and school well water were analyzed and reported upon to persons submitting these samples.

### *Legume Cultures*

12,105 legume cultures prepared for seed inoculation were distributed to farmers. Of this number 7,433 were for soy-bean inoculation.

### *Vitamin C Studies*

The survey of the Vitamin C content of fruits and vegetables (undertaken in collaboration with Toronto Sick Children's Hospital) was continued, and the study of the effects of storage and processing on Vitamin C content of fruits and vegetables was considerably advanced.

### *Growing Onion Seed*

To help meet the wartime scarcity of onion seed, 2 acres of Spanish type onions were grown and stored to be planted for seed production in 1943.

### *Use of Radio in Promoting Poultry Production*

Radio Broadcasts were prepared and released over various stations covering the entire province. With the exception of the midsummer months, releases were made on most farm broadcasts every week. In addition three half-hour broadcasts were prepared in co-operation with the Ontario poultry industry and released by the Canadian Broadcasting Corporation.

### *Control of Pullorum Disease in Poultry*

Poultry breeding station work was continued with 530 flocks under supervision this year. 222,914 birds were banded. Individual blood samples were taken from all of these and tested for the presence of the disease. 5,138 birds were found to react, and these were removed from the flocks. This year there were 39 more flocks with a clean test than in 1941.

### *Vegetable Protein in Relation to Chick Growth*

In careful feeding tests, corn gluten, sunflower oilcake meal, and rape seed oil-cake meal proved satisfactory, and linseed oil-cake meal definitely unsatisfactory, as a source of protein in chick rations. The linseed gave both poorer growth and higher mortality than the others.

### *Dairy Services*

Analyses for fat, moisture, or total solids were made of 265 samples of milk, cream, butter, and cheese sent in by farmers and dairy plants.

In addition, 3,300 samples of butter were analyzed for yeast and mould content.

### *Riboflavin Studies*

During the year riboflavin studies by the microbiological method were conducted on more than 200 samples of foodstuffs and related materials in the hope of finding new and suitable riboflavin carriers to replace those of which the supply is now lacking or seriously depleted. Then, too, because of the decreased cost of synthetic crystalline riboflavin, growth and hatchability studies were undertaken on the feeding value of rations in which crystalline riboflavin replaced normal riboflavin. In these tests the growth of chicks was satisfactory up to ten weeks of age, but it is recommended that a small amount of buttermilk powder or other natural source of riboflavin be left in the ration to ensure thrifty, well-feathered chicks.

### *Alfalfa Meal in Hog Rations*

A feeding experiment with four uniform lots of hogs very strongly indicated (a) that, with the present limited supply of animal proteins, high quality alfalfa meal may be efficiently used up to 75 per cent of the total protein content of the supplement, providing that the remaining 25 per cent is of animal origin; (b) that the inclusion of this amount of alfalfa meal has no undesirable effect on carcass quality.

### *The Correlation Between Various Factors Used for Carcass Tests in Advanced Registry for Pure Bred Swine, Using the Eye of Lean as the Basic Factor*

By measurement of the sides of 1,000 carcasses, it was found that there is no correlation between the area of eye of lean and depth of back fat, length of side, weight of ham, balance of side or belly grade. The factors, length, back fat, and belly grade, apparently have been corrected to some extent by breeding, but the other factors, namely, eye of lean, ham and sides, remain unchanged.

### *Tobacco Cutworm Control*

Owing to the scarcity of molasses, co-operative experiments with new baits for tobacco cutworm control were conducted as between the Dominion entomological staff at Chatham and this College. These indicate possibilities of good control with bran-Paris Green-water baits. These tests also indicate that white arsenic, sodium arsenite, and sodium fluo-silicate are as effective poisons as Paris Green when mixed with bran and water, and may be used where Paris Green cannot be obtained.

### *Rabbit Control in Orchards*

This year wider use was made of the resin-alcohol repellent solution which had given good experimental results in the previous two seasons. In most cases successful protection was afforded, although the abnormal depth of snow permitted rabbit injury in some cases where trees had been treated only partially.

### *Japanese Beetle*

Co-operating with the Dominion Entomological and Plant Production Divisions, soil grub proofing work and trapping campaigns were participated in by our Department of Entomology. 6,289 traps were set out in Ontario, nearly half of them being concentrated at Windsor, Niagara Falls, Toronto, and Hamilton. In these areas 130 acres of sod and garden soil received lead arsenate grub proofing treatment.

*Study of Wartime Controls as They Relate to Canada's Packing Industry*

At the request of the Federal Reconstruction Committee, the head of our Economics Department made a detailed investigation of all types of control affecting the sale, processing, distribution and pricing of livestock and livestock products. A lengthy report was prepared and submitted to the Reconstruction Committee in Ottawa.

*Testing Varieties for Climatic and Soil Conditions*

Co-operative experiments to determine the best varieties of grain for our climatic zone and soil type in Ontario were conducted in 30 counties in 1942. Altogether there were 102 tests with 5,694 plots. A number of the leading varieties of oats, barley, and soybeans, and some of the best strains of hybrid corn were used in these tests.

*Improved Strains of Forage Crops*

A study of higher yielding, leafier, more winter hardy, and more disease resistant strains of red clover, timothy, and orchard grass was continued. Some of these strains were grown in carefully rogued seed increase plots and seed is now available to seed growers and, through them, to farmers.

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## ONTARIO VETERINARY COLLEGE

### CONVOCATION

At the Convocation of the University of Toronto held on May 8th, 1942, the Chancellor, The Rt. Hon. Sir William Mulock, P.C., K.C.M.G., M.A., LL.D., conferred the degree of Bachelor of Veterinary Science (B.Sc.) on fifty-seven graduates.

### COMMENCEMENT

The Annual Commencement and Presentation of Prizes took place on November 18th, 1942, in the Assembly Hall of the College. The Honourable T. B. McQuesten, Minister of Public Works and Highways, was the principal speaker. The prizes were presented to the successful candidates by the Honourable P. M. Dewan, Minister of Agriculture.

### OPENING OF THE NEW LABORATORY BUILDING

This new addition to the College was formally opened on November 19th, 1942, by the Hon. T. B. McQuesten, Minister of Public Works, and the Hon. P. M. Dewan, Minister of Agriculture. In the course of their addresses both speakers expressed confidence that the new building was fully justified and would provide the nucleus of a research and extension centre and the beginning of a progressive campaign for the prevention and control of animal diseases.

### STUDENT ENROLMENT

A total of 167 were enrolled. As in former years, students were in attendance from all of the Provinces of Canada, also from other parts of the British Empire and from the United States.

## THE TEACHING AND EXECUTIVE STAFF

- C. D. MCGILVRAY, M.D.V., D.V.Sc., *Principal: Contagious Diseases, Sanitary Science.*
- W. J. R. FOWLER, V.S., B.V.Sc., D.V.M.; *Surgery, Anatomy.*
- R. A. MCINTOSH, M.D.V., B.V.Sc.; *Diseases of Cattle, Obstetrics, Therapeutics.*
- F. W. SCHOFIELD, B.V.Sc., D.V.Sc.; *Pathology, Bacteriology.*
- L. STEVENSON, B.S.A., M.S., B.V.Sc.; *Zoology, Fur-Bearing Animals.*
- J. S. GLOVER, V.S., B.V.Sc.; *Milk and Meat Hygiene, Poultry Diseases.*
- \*A. A. KINGSCOTE, B.V.Sc., D.V.Sc.; *Pathology, Parasitology.*
- F. J. COTE, B.V.Sc.; *Canine and Feline Diseases.*
- V. R. BROWN, B.V.Sc.; *Anatomy, Hygiene.*
- G. CAIRNS, B.V.Sc., M.R.C.V.S.; *Sporadic Diseases, Hygiene.*
- \*A. F. BAIN, B.V.Sc.; *Bacteriology.*
- \*R. T. INGLE, B.V.Sc., M.Sc.; *Pathology.*
- A. H. KENNEDY, B.S.A., B.V.Sc., D.V.Sc.; *Pathology, Parasitology.*
- C. E. PHILLIPS, B.V.Sc.; *Pathology, Bacteriology.*
- H. T. BATT, B.V.Sc., M.V.Sc., M.S., D.V.Sc., Ph.D. (Cornell), Certificat de l'Ecole d'Alfort (France); *Histology, Physiology.*
- R. CONNELL, B.V.Sc.; *Serology, Poultry Diseases.*
- \*J. K. BLAIR; *Jurisprudence.*
- C. L. MCKINNON; *Jurisprudence.*
- A. L. SHEPHERD; *Executive Clerk.*
- MISS A. WALSH; *Secretary.*
- MISS L. NOTT; *Librarian and Stenographer.*
- MISS M. URQUHART; *Stenographer.*
- MISS E. SHEPHERD; *Stenographer.*
- \*On Military Leave.

## ADMISSION REQUIREMENTS AND COURSE OF STUDY

The prescribed course of study qualifies for the degree of Bachelor of Veterinary Science (B.V.Sc.) and extends over a period of five years. The requirements for admission come under the jurisdiction of the University of Toronto. In order to gain entrance applicants must furnish Junior and Senior Matriculation certificates or a Junior Matriculation certificate and a certificate covering the satisfactory completion of the first year in a degree course at a recognized Agricultural College or University. The final examinations for graduation likewise come under the jurisdiction of the Senate of the University and the examiners are appointed by the University. Graduate courses leading to the advanced degrees of Master of Veterinary Science (M.V.Sc.) and Doctor of Veterinary Science (D.V.Sc.) are available under the School of Graduate Studies of the University.

A detailed outline of the entrance requirements and the course of studies is contained in the college calendar, which is available to those interested. In addition to the regular undergraduate course outlined in the calendar, special short courses were provided as follows:

### PUBLIC HEALTH COURSE

A special course of study in Public Health Work was given Senior students by the Director and Staff of the School of Hygiene and Connaught Laboratories of the University of Toronto. The course included the following subjects:

*Public Health Administration.*  
*Principles of Sanitation.*  
*Communicable Diseases.*  
*Food-Borne Infections.*  
*Interpretation of Laboratory Findings.*  
*Bacteriology of Enteric-Infections.*  
*Human Parasitic Infections.*  
*Inspection of Water Supplies.*  
*Inspection of Sewage Disposal.*  
*Inspection of Restaurants and Bottling Plants.*  
*Industrial Hazards in Meat Packing Industry.*  
*Ventilation and Fumigation.*  
*Dairy Sanitation.*

### SPECIAL COURSE FOR FUR BREEDERS

During the month of June a course was provided for those engaged in the rearing of fur-bearing animals. About 200 fur breeders attended. The course was arranged in cooperation with the Ontario Fur Breeders' Association and comprised lectures and demonstrations on the following subjects:

*Disease Carriers.*  
*Ingredients of Fox Rations.*  
*Successful Marketing of Pelts.*  
*Facts about Prime and Unprime Pelts.*  
*Silver Fox Breeding Problems.*  
*The Chinchilla Industry.*  
*Diagnosis and Treatment of Distemper in Mink.*  
*Preparing Mink Pelts for Market.*  
*Discussion on the Valuation of Breeding Stock for Taxation Purposes.*  
*True Mink Types and Foundation Stock.*  
*The Use of Hormones in Animal Breeding.*  
*Mink Breeding Problems.*

### REFRESHER COURSE FOR VETERINARIANS

During the month of July a special course for graduate veterinarians was provided in cooperation with the Ontario Veterinary Association, and the Canadian Feed Manufacturers' Association. There were approximately 150 in attendance and the programme comprised the following topics.

*The Field Diagnosis of Swine Erysipelas and the use of the Rapid Agglutination Test.*  
*Nutritional Requirements for Swine.*  
*The Diagnosis and Control of Common Diseases of Poultry.*  
*Calf Scours and Calf Pneumonia.*  
*Parasitic Diseases of Poultry.*  
*Parasitic Diseases of Swine.*  
*Diagnosis and Control of Fowl-Pox, Laryngotracheitis and Pullorum Diseases.*  
*Methods of post-mortem Examination.*  
*Methods employed in Mastitis Control Work and Intramammary Methods of Treatment.*  
*Examination of Horses for Soundness and the Diagnosis of Lameness.*



## CLINICAL SERVICE

This service is available for veterinarians and live stock owners where clinical assistance is desired. The nature and extent of the services rendered are as follows:

*Animal Clinics:* Animals of all classes were admitted for diagnosis, medical and surgical treatment.

*Horses:* The cases submitted were largely surgical and included fistulous withers, pool-evil, roaring, hernia, cryptorchidism, lameness, including deformities of the feet and canker. Parasitic and other skin affections are frequently observed. Dental cases and tumor formations are also of common occurrence.

*Cattle:* Many of the cattle cases were of an unusual character and represented herd conditions. The predominating diseases included sterility, mastitis, calf scours, calf pneumonia, necrotic stomatitis, nutritional deficiencies, pseudo-leukemia, hypocalcemia, acetonemia, photo-sensitization, sweet clover poisoning, and retention of the afterbirth.

*Swine:* These comprised surgical cases and diseases prevailing in litters and herds. The surgical cases comprised scrotal and umbilical hernia, cryptorchidism and hermaphroditism. Among the diseases affecting herds and litters were gastro-enteritis, respiratory affections, anemia of young pigs and other nutritional diseases, parasitic diseases, including lice and mange, erysipelas, hemorrhagic septicemia, necrotic enteritis and infectious rhinitis. An outbreak of tuberculosis was encountered in a large herd of swine. One hundred and thirty pigs were submitted to the tuberculin test of which fifty-seven reacted. The diagnosis was confirmed by post mortem and laboratory examination revealed the infection to be the avian (poultry) type of tuberculosis.

*Sheep:* Many of the sheep cases were parasitic infestations more especially stomach worm disease. Other conditions comprised nutritional diseases, pregnancy disease, stiff lamb's disease, tetanus following docking and castration.

*Small Animals:* These comprised dogs and cats mostly submitted for surgical attention such as spaying. A large number of diseased conditions were also treated including digestive disturbances, distemper, renal diseases, respiratory diseases, mange and other skin diseases.

*Fur Bearing Animals:* The diseases of fur bearing animals and general problems of the fur breeding industry were given the required attention by the Provincial Zoologist. Food toxemia has been the main cause of loss on fox and mink ranches. Out of over one hundred carcasses submitted for laboratory examination, evidence of food toxemia was revealed in thirty-two cases. There has been considerable interest manifested during the past year in the rearing of Angora and Chinchilla rabbits.

## EXTENSION WORK RELATING TO BANG'S DISEASE

In cooperation with practicing veterinarians and live stock owners the work relating to the control of Bang's disease in cattle (Contagious Abortion) has been further expanded under the following plans.

1. *Testing of Individual Herds:*

Under this plan 29,755 cattle were tested of which 23,153 were Negative, 5,433 Positive, 1,169 Doubtful.

2. *Testing of Dairy Cattle for Export:*  
These tests were made to facilitate the exporting of dairy cattle to the United States and comprised 5,465 cattle, of which 5,151 were Negative, 186 Positive, 125 Doubtful.
3. *Supervised Calftlood Vaccination:*  
Under this plan vaccination was undertaken in 1475 herds. A Total of 17,500 calves between four and eight months of age were vaccinated and check tested 30 days after being vaccinated.
4. *Testing of Herds in Prescribed Areas:*  
Under this plan 10 areas have been established as follows:
  1. *Schomberg Area:* Includes 277 herds comprising 3,193 cattle.
  2. *Northumberland Area:* Includes 188 herds comprising 2,827 cattle.
  3. *Stormont Area:* Includes 56 herds, comprising 1,018 cattle.
  4. *Maxville Area:* Includes 49 herds comprising 1,324 cattle.
  5. *Vars Area:* Includes 41 herds comprising 1,069 cattle.
  6. *Durham Area:* Includes 39 herds comprising 480 cattle.
  7. *Carp Area:* Includes 35 herds comprising 731 cattle.
  8. *Orono Area:* Includes 18 herds comprising 171 cattle.
  9. *Almoute Area:* Includes 11 herds comprising 179 cattle.
  10. *Brockville Area:* Includes 10 herds comprising 309 cattle.

## RESEARCH AND INVESTIGATION

During the year several unusual outbreaks of disease have been investigated. It is sometimes difficult for a practicing veterinarian to come to a definite conclusion as to the exact nature of a disease which may be either a new disease in the locality or an old disease manifesting unusual symptoms. With the aid of the college staff and laboratory facilities such problems can be more readily solved. A few diseases receiving attention are briefly summarized herewith.

*Hemorrhagic Enteritis in the Arctic Blue Fox:* An investigation was made into a serious outbreak of enteritis occurring among Arctic Blue fox pups. A virus was demonstrated, which appeared to be identical with that of feline enteritis.

*Alcaligines (Brucella) Bronchisepticus as an Etiological Agent in Pig Pneumonia:* *Alcaligines bronchisepticus* which for many years has been recognized as a cause of pneumonia in several different animal species, has now been isolated from pneumonia in pigs coming from piggeries located in many different parts of the province. Work is being undertaken to determine the exact etiological relationship of this organism to pig pneumonia.

*Iron Poisoning in Piglets:* During the last ten years we have encountered many cases where piglets have died due to receiving excessive doses of iron given for the prevention of anemia.

*Vitamin 'A' Deficiency in Pigs:* An unusual outbreak of paralysis and incoordination among swine was investigated and found to be due to a deficiency of Vitamin A.

*The Treatment of Papillomatosis by Tissue Vaccine:* Several cases of malignant papillomatosis (warts) have been successfully treated by the use of autogenous tissue vaccine.

*An Unusual Outbreak of Swamp Fever:* An outbreak of disease among horses in the vicinity of Niagara Falls with a mortality of 100% was investigated and found to be due to infection with swamp fever.

*Stiff Lamb Disease:* Further reports of the successful treatment of stiff-lamb disease by the use of phosphoric acid have been received.

*Miscellaneous:* This includes a note on *Trichomonas* infection, braxy, blackleg, salmonellosis in foxes, swine diseases, and pathological specimens of interest.





as compared with 798 or approximately 31 per cent for the previous twelve months. Work commenced two years ago in connection with pullorum disease was continued as time permitted during the past year, and is included in an appendix to this report.

Listed under 'Other infections' were several cases of staphylococcic and streptococcic infections (many more than previously observed) and infections with *pseudomonas aeruginosa*. Naval ill was found in a few chicks in both the 'wet' form, caused by members of the genus *Clostridium*, and the 'dry' form, due to non-specific bacterial infection. Hexamithiasis was found in two turkey flocks.

The number of specimens received during the past year, and the conditions found, are shown in the following list:

Nature of Case	Number of Cases
<i>Adult Pullorum Infection</i>	100
<i>Avian Diphtheria</i>	37
<i>Coccidiosis</i>	351
<i>Coryze and Roup</i>	35
<i>Enteritis</i>	23
<i>Enterchepatitis</i>	65
<i>Fowl Cholera</i>	0
<i>Laryngotracheitis</i>	32
<i>Leucosis</i>	73
<i>Pullorum Diseases of Chicks</i>	1,022
<i>Tuberculosis</i>	31
<i>Other Infections</i>	171
<i>Impaction (Crop, Proventriculus, Gizzard or Intestine)</i>	8
<i>Injuries</i>	9
<i>Nutritional Conditions</i>	267
<i>Ruptured Liver</i>	11
" <i>Oviduct</i>	1
<i>Tumours</i>	19
<i>Worms (Ascaridia)</i>	51
"    ( <i>Capillaria</i> )	107
"    ( <i>Large Tapes</i> )	68
"    ( <i>Minute Tapes</i> )	105
"    ( <i>Round and Tapes</i> )	54
<i>External Parasitism</i>	19
<i>No Evidence of Disease or Putrid</i>	65
<i>Total</i>	2,763

During the year a large volume of correspondence has received attention, together with personal interviews with those seeking advice regarding their animals. The demand for veterinary extension, investigation and research work has noticeably increased. This is particularly evident in connection with the adoption of calf vaccination as an aid in the control of Bang's disease in cattle. With the increased demand for these services the entire staff has been exceedingly busy and have performed their duties faithfully. Efforts have been directed towards maintaining a high standard of efficiency and all expenditures have been carefully checked and kept at a minimum cost.

All of which is respectfully submitted.

C. D. MCGILVRAY,  
*Principal.*

Guelph, Ontario,  
March 31st, 1943.

## KEMPTVILLE AGRICULTURAL SCHOOL

During the year the Ontario Government offered to the Department of National Defence, the facilities of the Kemptville Agricultural School. On November 6th the following buildings were taken over for the conducting of a Canadian School of Army Administration:—

Main Building, Live Stock Pavilion and Gymnasium, Agricultural Engineering Building, Student's Residence, Three Staff Houses.

The remainder of the School property being left with the Ontario Department of Agriculture included the Dairy Building, Barns, Greenhouses, Poultry Buildings and all farm, garden and reforestation lands.

This necessitated drastic changes in the School program and it was necessary to cancel all Agricultural and Home Economic Courses one week previous to opening date on October 10th. The only course it was possible to conduct was the Cheese and Butter Maker Dairy Course.

Changes in the Staff were as follows:—

F. J. Parish, Lucille Bridges, J. A. Berry, and Jos. Thompson, Enlistment with Active Services; A. D. Runions—Transferred to Ontario Agricultural College; Ruth Rorke—Transferred to Ontario Women's Institute Branch.

The following members remaining as Extension and Field men and as Heads of Divisions:—

M. C. McPhail—Principal and Animal and Field Husbandry Division.  
 A. J. Logsdail—Head of Horticultural Division, Orchard and Garden Extension Work.  
 A. L. Gibson—Instructor in Dairying and Dairy Extension Work.  
 J. F. Fraser—Poultry Division and Field Extension Work in Poultry Husbandry.  
 W. B. George—Soils & Fertilizer Division—Experimental Work and Soil Testing.

During the month of April a very successful three day Conference was conducted in conjunction with the Women's Institute Branch for young women of Eastern Ontario.

During the Spring and Summer months the School was the meeting place for many of the farm organizations of Eastern Ontario. The Eastern Ontario Yorkshire Breeders' Spring and Fall Sales and Field Day, the Annual Field Day of the Ottawa Valley Sheep Breeders' Association, District 1 and 2 of the Ontario Association of Agricultural Societies, the Grenville Crop Improvement Association, Junior Farmer Association Field Days and the District Rotary Convention.

Events staged by the Ontario Department of Agriculture by the Staff of the Kemptville Agricultural School:—A Dairy Cattle Field Day for all Dairy breeds, which included judging classes and classification of Animals by officials appointed by the different Breed Associations. The attendance was approximately 600.

The Annual Reunion of the Kemptville Agricultural School and Graduation Exercises were held early in August. At this time the first Twenty Year Reunion was held for the class which graduated in 1922 and at which practically all the members of the first Agricultural and Home Economic Classes were in attendance.

Throughout the year the Staff and equipment was taken advantage of by the Agricultural Representatives in close-by Counties for giving instruction to the members of their Boys' and Girls' Clubs and on October 16th, under the supervision of the Agricultural Representatives Branch, the Eastern Ontario Boys' and Girls' Inter Club Competitions were held at the School.

The Junior Department of the Central Canada Exhibition was held at Kemptville and the Kemptville Agricultural School assisted by supplying Live Stock for Judging Competitions and living accommodations for the contestants.

The Annual Agricultural Field Day for Senior Students of the Collegiates and High Schools in Eastern Ontario was well attended and provided an interesting day of demonstrations.

The second year of a two day course for prospective judges of Agricultural Fairs was held during the early part of June with practically all those attending the first year returning for their second session.

## DIVISION OF ANIMAL AND FIELD HUSBANDRY

### *Purebred Live Stock*

The School continues to be an influence in the distribution of purebred breeding stock in Eastern Ontario. During the year 49 boars, 47 sows and 14 dairy bulls were sold to head breeders' herds.

### *Farm Crops*

The yield of grain for seed and feed purposes produced on the farm during the year was as follows:—

Fall Wheat.	251 bushels
Spring Wheat	54 bushels
Oats . . . . .	1,960 bushels
Mixed Grains	20 tons
Hay. . . . .	156 tons
Ensilage Corn	214 loads
Potatoes. . . . .	306 bushels
Mangels. . . . .	21.12 tons
Turnips . . . . .	8 tons

## SEED CLEANING PLANT

The volume of seed cleaned in the Seed Cleaning Plant was as follows:—

### *Small Seeds*

Alfalfa . . . . .	12,938 lbs.
Sweet Clover	13,958 lbs.
Timothy.....	21,402 lbs.
Red Clover	2,614 lbs.
Red Top . . . . .	46 lbs.

*Grains*

Oats	78,566 lbs.	2,310.7 bus.
Barley	15,602 lbs.	325 bus.
Beans	1,731 lbs.	78.8 bus.
Wheat	1,669 lbs.	77.8 bus.
Peas...	1,500 lbs.	75 bus.
Buckwheat	370 lbs.	7.7 bus.
Flax.....	2,571 lbs.	15.9 bus.
Soy Beans	916 lbs.	15 bus.
Millet	1,824 lbs.	36.5 bus.
Radish	150 lbs.	9 bus.

Number of farmers using plant — 175.

### DIVISION OF CHEMISTRY

The Extension work of this Division is divided into various projects as listed below.

#### 1. *Permanent Fertility Trials*

These are being conducted at the following locations with the length of time each has been carried on:—Merrickville, 4 years; Bainsville, 3 years; Foxboro, 2 years.

#### 2. *Co-operative Cereal Variety and Fertilizer Tests*

This project is carried on in co-operation with the Cereal Division, Central Experimental Farm, Ottawa and deals with the testing of different varieties of Cereals and the effect of fertilizer treatments on various selected varieties. These tests were placed at eight different locations in Eastern Ontario with fertilizer treatment at five locations.

#### 3. *Demonstrational and Special Plots*

These projects included test trials on:—

(a) Fertilizer treatments on two varieties of Fall Wheat. (b) Fertilizer tests of regular vs. granular fertilizer. (c) Pasture fertilizer treatments. (d) Varying rates of fertilizer applied to different varieties of potatoes. (e) The use of Phosphates in fortifying manures. (f) Fertilizer treatment of various Hay and Pasture mixtures. (g) Ploughing under fertilizer treatments on Corn. (h) Varying fertilizer treatment on two varieties of Strawberries.

#### 1. *Soil Testing*

This service is rendering valuable assistance to farmers desiring information in respect to fertilizer requirements for their soils. Over 1,500 samples were tested during the year and reports forwarded re same.

5. Several Field and Special meetings were addressed, discussing Soil and Fertility problems.

#### *Summary of Locations and Plots*

<i>Project</i>	<i>Locations</i>	<i>No. Plots</i>
No. 1	3	15
No. 2	8	1,464
No. 3	28	95



## DIVISION OF POULTRY

The School poultry flock has had a very successful year and some excellent records were obtained. Ten birds made records of over 300 eggs and the flock average was the highest yet recorded.

In co-operation with the Health of Animals Branch of the Dominion Department of Agriculture, a program of disease control is being carried on.

In the early Fall a survey was made in Renfrew County in connection with an outbreak of Necatrix Infection. Methods of control and sanitation were instituted and satisfactory progress made.

In the Counties of Renfrew, Grenville, Dundas and Carleton, a series of meetings have been held in conjunction with the Farm Machinery Demonstrations. These meetings were very well attended and the discussion of Poultry Problems seemed to be of special interest.

The following is a list of Extension work carried on:—

Women's Institute meetings attended	1
Farmer's Club meetings attended	27
Combined meetings in Renfrew, Grenville, Dundas and Carleton	20
Farm Demonstrations and Barn Meetings	20
Boys' and Girls' Club meetings	6
Visits to Club flocks	72
Farm visits re Disease, Housing, etc.	200
Total number of people at meetings attended	1,675

## DIVISION OF HORTICULTURE

The past year produced one of the best Apple crops obtained for several years. Small fruits were not as satisfactory, though many of the vegetable crops were particularly good. Some difficulty was experienced in packing and marketing the apple crop to the best advantage, owing to lack of fruit storage facilities. Twenty-five to forty cents a bushel more in price could readily have been obtained, had the fruit been box-packed and stored for a month or six weeks, and sold after the rush of orchard picking and immediate sales had passed. The problem of storage and packing facilities is probably the greatest difficulty now confronting the apple growers of this Eastern district.

The young Russian orchard at the School, so called because the commercial varieties are grafted on stocks of Russian origin, wintered in better condition than the same commercial varieties growing on less hardy stock. Some orchards in this district suffered severely from bark injury due to mice; a little of this injury occurred in the School orchards. Poison bait and traps were of little value. A heavy coat of ice covered all this material early in the winter and the migration of thousands of mice occurred later, some orchards suffering to the extent of more than ten per cent of the trees.

The Extension work of the past year has consisted of visits to growers, in this Eastern District, with orchard and market gardening problems; dealing with insect and disease control, planting and cultural methods, spraying, pruning, grafting, etc. A number of meetings were attended where talks and demonstrations on a variety of subjects were given. Recently the matter of Victory Vegetable Gardens is of particular interest and advice is asked on the more easily grown crops, choice of varieties, cultural methods, harvesting and storage.

## DIVISION OF DAIRYING

The forty-ninth session of the Dairy Course for Eastern Ontario had an enrolment of thirty-seven students for the three months diploma course. Seventy-five applications were received for the course, and of these, over 50 per cent were unable to register owing to war and other conditions. Thirteen Eastern Ontario counties were represented in the registration.

At the conclusion of the course thirty-five students completed and passed all their examinations to receive the Dairy Diploma. In addition, three students completed examinations from the previous year's course to qualify for the Dairy Diploma.

The following donations have been received for prizes to stimulate competition among the Dairy Students:—

Montreal Provision Trades Association—One hundred dollars (\$100.00)

Ontario Cheese Producers Association—Fifty dollars (\$50.00)

S. F. Lawrason and Company Limited, London, Ontario—Silver Trophy for the student showing the best attitude to dairy work.

The bacteriological service supplying Lactic Cultures to cheese factories in particular, and other dairy plants, was conducted from the Dairy Laboratories, throughout the year. During 1942, eleven hundred and eighty-five (1,185) of these cultures were supplied. Two hundred and seventy-three cheese factories out of a total of five hundred and forty-seven, or 49%, in Eastern Ontario obtained their cultures direct from these laboratories. It is known that many other factories used propagations from these cultures.

Dairy Chemistry services and supplies have been provided for twenty-nine Cheese and Creamery Instructors in Eastern and Northern Ontario.

During the year thirty-five visits were made to outside places in connection with the work of the School and the Dairy Branch, which included twenty-six cheese factories and creameries, and addresses to nine meetings of Cheesemakers, Buttermakers and Dairy Instructors.

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## HORTICULTURAL EXPERIMENT STATION VINELAND

### RESEARCH

Three research projects were started in 1942. The titles of the projects are as follows:

*Project 121. Sawdust as a mulch for apple trees.*

*Project 122. A test of four clonal rootstocks for McIntosh and Wealthy apple varieties.*

*Project 123. A test of Malling IV and Malling IX as Rootstocks for Northern Spy and McIntosh.*

In the 1942 Annual Report of the Station, there is given (Pages 53-67) a brief outline of all the various research projects, these being cited by number and title together with information as to the purpose of each investigation, its general plan, and the records which are being kept. The tabulation given below indicates the broad nature of the investigations and the project numbers involved in each major line of work.

<i>Nature of Work</i>	<i>Project Numbers</i>
Rootstocks for Fruit Trees	301, 331, 341, 351, 411, 412, 413, 422, 423,
Transplanting of Nursery Stock	362, 363, 382, 392, 402.
Free Pruning and Training	371, 372, 393, 414.
Soil Management and Soil Studies	271, 291, 361, 364, 391, 401, 403, 421.
Fruit Maturity Studies	365, 381, 405.
Fruit Products Investigations	101.

## PLANT BREEDING

In fruits and vegetables the following varieties, originated at Vineland, have been named and introduced. Year of introduction is noted after the variety name.

FRUIT INTRODUCTIONS TO 1942	VEGETABLE INTRODUCTIONS TO 1942
STRAWBERRY — Vanguard (1924) Vandyke (1928) Vanrouge (1938) Valentine (1941)	CUCUMBER — Hescrow (green- house) (1922)
RASPBERRY — Viking (1924)	TOMATO — Vetomold (1939) V-121 (1941) Harkness
SWEET CHERRY — Victor (1925) Velvet (1937) Vernon (1937)	RHUBARB — Valentine (1938)
PEACH — Vimy (1923) Vaughan (1925) Valiant (1925) Vedette (1925) Veteran (1928) Viceroy (1929) Veefreeze (1940) Vanguard (1941)	SWEET CORN — Vineland Bantam (1935) Vinecross B4 (1940) Vinecross B5 (1940)
PEAR — Russet Bartlett (1927)	

There are 23 definite fruit breeding projects apart from the testing of seedlings sent in by growers and the Canadian Horticultural Council. These projects include the apple, cherry, peach, pear, plum, grape, raspberry and strawberry.

In vegetables there are 13 breeding projects which include the tomato, asparagus, cabbage, cucumber, lettuce, muskmelon, onion, rhubarb, sweet corn and pepper. In addition there are extensive variety trials and other projects involving seed production, dissemination etc.

*Vegetable Seed Production.* At the request of the Dominion-Provincial

Committee charged with the responsibility of increased seed production, the Station undertook to produce onion and cucumber seed in 1942-43. Two acres of Yellow Globe Danvers onion were grown (for 1943 seed production) and one acre of Long Green cucumber. In addition Foundation stock seed is being grown of Station strains of sweet corn, onion, pepper and tomato.

### VARIETY TESTING, FRUITS

When the Horticultural Experiment Station was originally constituted in 1907, the primary purpose was to facilitate and expand variety test work, under competent observation, by consolidating the many semi-private testing stations scattered over the Province. The earlier orchard plantings (1908-10) were therefore almost entirely variety orchards.

In tree fruits, from three to five trees of a variety are planted for such tests. In small fruits relatively more plants are grown. Records include the source of the new variety (Nursery or Institution), year planted, seasonal notes on growth, hardiness, blooming date, fruitfulness, season of maturity, quality, value, market reaction, etc.

The recently published Bulletin 430, Fruit Varieties, is based on these variety trials. In addition to the variety recommendations, information is given on pollination, maturity dates, variety performance, etc. Also there are included complete lists of the kinds and varieties of fruits which have been or are still under test, there now being 726 varieties in Station orchards. 1267 others have been under test from time to time, making a total of 1993 varieties.

### VARIETY TESTING, VEGETABLES

The purpose of this work is to assist in evaluating, for Ontario conditions, the commercial possibilities of the many new varieties of vegetables being offered to the grower.

Adequate sized plots are grown of each variety, actual size of plot varying with the type of vegetable. Records are kept of plant and crop development and brief descriptions made with a comparative valuation of the variety as to commercial yield and marketability. Some varieties are discontinued after one year's test if there is sufficient indication of lack of commercial value. The list is revised each year and kept to a minimum number of varieties for continuing tests. In 1942, 203 varieties were under observation. An addition 663 have been tested in previous years.

*Vegetable Variety Distribution.* During the period 1939-42, 368 different lots of seed or plants (tomato, sweet corn, asparagus, rhubarb) were distributed. 233 of these were to growers, 28 to seed firms, 37 to Experiment Stations and 70 to foreign addresses.

### EXTENSION

Extension activities include the following, —

*Spray Service.* 1483 growers are on the mailing list, receiving 13 circulars during the spraying season.

*Nursery Inspection for Varietal Mixture.* 596,100 trees were examined in 1942, of which 4,971 were broken down as untrue to name (0.8 per cent). Inspection included 23 varieties of apples, 17 plums, 10 pears, and 10 cherries.

*Distribution of Propagating Material.* During 1935-42, true-to-name propagating stock of 193 varieties of fruits was distributed to 323 growers and nurseries. This represented approximately 391,000 buds.

*Soil Testing Laboratory.* 369 analyses in 1942.

*Growers Meetings.* Twelve addressed during the calendar year 1942, total attendance 655.

*Fruit Tree Survey.* In January 1942 a questionnaire on tree populations of peaches, pears, and plums was sent out to the 1407 growers then on the Spray Service list. Tabulation of replies from the 55 per cent who made returns indicated in pears that only Bartlett and Kieffer were being planted in substantial amount, with Kieffer leading Bartlett by a fair margin. In plums (including prunes) Italian leads all varieties followed by Reine Claude, Shiro, Grand Duke, Burbank and Lombard in the order named. The peach survey indicated considerably increased plantings of early varieties at the expense of late or Elberta season varieties, with midseason varieties remaining constant. New varieties are rapidly displacing old sorts, Elberta excepted.

*Station Literature.* A complete list of bulletins, reports and articles up to and including 1942 is given in the 1942 Station Annual Report, pages 13-21. Later material is noted herewith.

#### *Bulletins and Reports.*

Bulletin 335. The Strawberry in Ontario (revised March 1942), W. J. Strong.

Bulletin 355. The Raspberry and Blackberry in Ontario (revised April 1942), W. J. Strong.

Bulletin 424. Pollination in Relation to Orchard Planning, G. H. Dickson.

Bulletin 430. Fruit Varieties. E. F. Palmer.

Bulletin 433. Establishing the Young Orchard. W. H. Upshall.

Annual Report of the Horticultural Experiment Station, 1942.

Report of the Station to March 31, 1942 (Reprint from the Annual Report of the Minister of Agriculture).

#### *Articles, Popular.*

Winter Protection of Fruit Trees. C. B. Kelly. (Can. Hort. and Home Mag., Jan.-Feb. 1943).

Effect of Fruit Bearing on Size and Shape of Apple Trees. W. H. Upshall. (Can. Hort. and Home Mag., Feb. 1943).

Recommended Varieties of Fruits. E. F. Palmer. (Can. Hort. and Home Mag. March, 1943).

The Effect of Top-Working on Growth and Fruiting of Apple Trees. W. H. Upshall. (Can. Hort. and Home Mag. Feb. 1943).

#### *Articles, Technical.*

Pruning Methods for Bearing Peach Trees. W. H. Upshall and O. A. Bradt. Sci. Agric. 23:257-264. 1943.

Malling Stocks and French Crab Seedlings as Stocks for Five Varieties of Apples. III. W. H. Upshall. (Technical Paper for Scientific Agriculture).

Increase in Quantity, Grade and Returns from Peaches as They Approach Optimum Maturity. W. H. Upshall, Sci. Agric.

## WESTERN ONTARIO EXPERIMENTAL FARM — 1942-43 ANNUAL REPORT

The programme of an Experimental Farm, as well as the Agricultural programme, changes during war time. Fewer meetings have been attended throughout the country during the past year and fewer Organizations have visited the farm. There is, however, an increase in the farmers visiting the farm with problems for consultation.

The experimental work is being carried on as usual with very little change except to deal more with problems that are caused by war conditions.

The growing and distributing of good seed is still receiving considerable attention with more being sold in 1943 than ever before. The growing of hybrid corn foundation stock is developing into a major activity. This is more than five times greater than when it was started in 1939. Distributing Pure Bred Yorkshire Swine for breeding and Plymouth Rock eggs for hatching is increasing in numbers each year.

1942-43 was a very unusual year at Ridgetown in respect to weather. There was a total precipitation of 36.97 inches during the year with May and July showing the largest amount of rainfall. In 1941 there was a precipitation of 24.15 inches, which is 12.82 inches less precipitation than in the year 1942. Notwithstanding the abnormal weather all crops were better than usual. Farm, orchard and vegetable crops all show greater yields and more revenue than any year in the history of the farm.

The following table gives the acreages and yields of the main crops grown on the farm,—

	Yields <i>bus.</i>	Acreages <i>acres</i>
Winter Barley	90	1½
Wheat	815	19½
Spring Barley	966	18½
Oats	3245	11
Beans	660	21
Soy Beans	140	5
Field Corn	450	7½
Hybrid Seed Foundation Corn	650	32
Rye	136	3

The fifth annual Live Stock sale was held on Wednesday, August 12th. We sold ninety-four hogs for breeding purposes and five young Shorthorns. The average price for the bred sows was \$59.82 with the top price \$72.50. Young gilts averaged \$29.92 with the top price \$45.00 and the young boars averaged \$36.21 with the top price \$57.50. Five young Shorthorns — bulls and heifers — averaged \$113.00 with the top price \$150.00. This brought a total of \$4426.50. All the animals, with the exception of two, went to buyers from the five Southwestern Ontario counties.

Our annual Farmers' Week was held during the third week in January. Unfortunately the weather proved to be very unsatisfactory and we had four days out of five with roads blocked. Notwithstanding this condition we had an average attendance of around fifty people out to nine afternoon and evening sessions that were held during the week.

In order to extend our programme of growing hybrid corn foundation

stock, it was necessary to rent 80 acres of land adjacent to the farm. This made it possible for us to have sufficient isolation for two different plots of seed corn and to grow a larger percentage of this corn on our own farm.

We started growing foundation stock for the hybrid seed growers in 1940 with five different plots of hybrids. Last year this was increased to eight varieties. This corn is grown on contract for the hybrid seed growers in the Province of Ontario, who pay for it on an acreage basis.

The following table will give some idea of the growth in this work. It gives the acreages of the different corn sold which was produced in 1940, 1941 and 1942, as well as the acreages ordered in 1943 for delivery in 1944.

Year	Can. 275	Can. 279	Can. 355	Can. 531	Can. 606	Can. 625	Can. 645	Can. 696	Total Acres
1940				57	396	30	333	123	939
1941			310	652	1202	95	898	161	3313
1942	220	120	515	583	2133	160	1545	281	4911
1943	383	290	540	819	1579	93	928	205	4937

A carload of steers was put in for feeding purposes in November, 1942. This completes the fifth year that steers have been fed on a basis of so much per pound gain. Grain prices were particularly high this year so the ration was composed of corn silage, beanstraw until March 15th and then clover hay until the finishing period in April. The grain mixture was composed of boiled cull beans, a few cull soy beans and corn and cob meal. The corn this year was of rather inferior quality, which made the most of the ration a combination of by-products or the cash crops grown in Southwestern Ontario.

The following is a summary of the five year feeding of steers on the basis of a given amount per pound gain. This amount varied with the years and was closely associated with the relative price of grain. In 1939-40-41 the price was 8 cents per pound; in 1942 10 cents per pound and in 1943 12 cents per pound gain.

	1939	1940	1941	1942	1943
No. of steers	8	12	15	20	25
Original Weight	859 lbs.	872 lbs.	1002 lbs.	1004 lbs.	1030 lbs.
Finished Weight	1165.2 lbs.	1129.5 lbs.	1317 lbs.	1219 lbs.	1260 lbs.
Gain	306.2 lbs.	257.9 lbs.	315 lbs.	215 lbs.	230 lbs.
Gain per day	1.9 lbs.	1.8 lbs.	1.8 lbs.	1.4 lbs.	1.5 lbs.
Profit per steer over feed cost	\$1.23	\$8.09	\$8.96	\$2.60	\$3.11
				Loss	

A herd of Shorthorns has been maintained at about the same level as other years. An attempt is being made to run this herd not only on a beef basis but to develop sufficient milk to make hand milking profitable. Our heifers are being raised in different ways to see the effect on milk producing ability where heifers are fattened at different stages in their development.

## SWINE

Our Swine herd consisted of eighteen sows during the year. No attempt was made to qualify any sows in the Record of Performance. Besides using our swine for experimental purposes the policy of distributing breeding stock to South Western Ontario has been continued. We distributed during the

year eighty sows and fifty boars, while our total sales of commercial and breeding hogs amounted to \$6585.67.

In order to get information on war time protein supplements the whole herd were placed on a wartime basis. After pigs were weaned one-third of the usual tankage was fed. Along with this, boiled cull beans and alfalfa hay from tripods were fed to balance the protein in the ration. The following observations were made,—

1. Market hogs took about one month extra to reach market weight.
2. The grade of market hogs was not lowered.
3. The ration was satisfactory for growing breeding hogs.
4. Brood sows did very well on this ration.

Pasture crops of different kinds were tried out. Alfalfa proved to be the best pig pasture. Marrow stem kale was excellent but the seed of this crop is off the market. Soya beans proved an excellent crop for the pig pasture but should be pastured before the beans form.

Winter Rye sown in the Spring proved to be the most satisfactory of any of the cereal grains. Sudan grass and millet were the poorest pastures tried during the year.

## POULTRY

The production and distribution of hatching eggs from line bred flocks of Barred Rocks continue to be the principal function of our Poultry Department. A steady demand for all eggs continues from January until June.

About 35,000 eggs were sold for hatching purposes during the past year.

The poultry business is changing in the district. Comparatively few farmers are using small incubators but are getting their eggs hatched at the large hatcheries or are buying day old chicks.

A great deal of extension work is being done with the poultry men in the district with many of the farmers increasing their flocks; problems of raising and handling larger flocks are developing on many farms. This makes the work of greater importance than in former years. Sick birds are being brought into the farm in large numbers and many visits have been made to poultry farms in the district during the past year.

## HORTICULTURE

Horticultural work received more attention during the past year. Considerable experimental work has been done and more extension work is being carried on than in former years. This work includes Fruit work, Vegetable work, Floriculture and Landscape gardening. The following outline gives a summary of the principal activities on the farm,—

### *Greenhouse Tomatoes*

The Michigan State variety is such an outstanding variety for the Spring crop that it should be recommended to all growers in Ontario to give it a trial.



The average yields for four years per square foot of ground space has been 2.6 lbs. or at the rate of nearly two tons for a 30 x 50 greenhouse.

### *Fruit*

An apple variety orchard of four acres established in 1926 and containing some twenty-four varieties has given excellent opportunity for comparison of varieties under our conditions. The following varieties are recommended commercially,—

Very Early — Crimson Beauty.

Early Fall — Joyce and Red Gravenstein.

Late Fall and Winter — Jonathan, Red Delicious, Stayman's Winesap, R.I. Greening and Northern Spy.

The King and McIntosh have not been tested in this orchard but are recommended for the district.

### *Peaches*

The Golden Jubilee is the first of the better quality peaches. The varieties earlier than this should be planted sparingly, if at all.

## GARDENS AND LAWNS

Trees, shrubs, flowers and home ground improvement, as always in this district, are of interest and this type of extension work is always popular in South Western Ontario. Many private grounds, as well as parks, cemeteries and grounds around Industrial plants have been visited. Plans have been drawn up and a list of the material, for planting has been substituted. This work has been helped out considerably by numerous plantings on the ground and lands at the Experimental Farm.

## INSECTS AND DISEASES

Insects and Diseases are always present among plants and animals and a service is maintained at the farm to help the farmer in the district combat these types of pests. This service is appreciated, judging by the number of people throughout Western Ontario, who are making use of it.

## EXPERIMENTAL WORK

An experiment to determine the best method of maintaining fertility was laid out in 1939 and has been running with our regular rotation ever since. This year, barley was grown on these plots with sugar beets occupying part of the land.

No. 1 plot is manured every year and has green manure plowed down every second year and fertilizer applied every year.

No. 2 plot is manured every four years and has green manure plowed down every other year.

No. 3 plot has green manure plowed down every other year.

No. 4 plot has green manure plowed down every other year and an application of fertilizer every year.

No. 5 plot is manured every fourth year.

No. 6 plot has no manure or green manure except the weeds that grow up on it but has fertilizer every year.

No. 7 plot has manure every four years and fertilizer every year but it is seeded down and left for a hay crop once in every four years.

No. 8 plot has the same treatment as No. 8 only is left in hay for two years.

The yields on these plots for 1942 for both Barley and Sugar Beets were as follows,—

<i>Plot No.</i>	<i>Soil Treatment</i>	<i>Yield (Barley) bushels</i>	<i>Yield (Sugar Beets) bushels</i>
1	Manure and Green Manure	66.2	16.15
2	Manure and Green Manure.	52.5	11.60
3	Green Manure only	49.1	13.3
4	Green Manure and Fertilizer	63.7	15.9
5	Manure only.	51.1	15.1
6	Fertilizer only	58.7	16.6
7	Manure, Fertilizer and Hay one year in four	66.2	17.1
8	Manure, Fertilizer and Hay two years in four	No crop	

It will be noted in the above yields that the barley plots getting a combination of manure and fertilizer gave the best yields. It did not seem to make very much difference whether the green manure was plowed down every other year or whether the plot was left a year in order to take off a hay crop; in the sugar beet plot fertilizer seems to stand out as a necessity in the sugar beet production.

## CORN

Corn variety tests were made in conjunction with the Harrow Experimental Station. In all, there were four plots in Essex, four in Kent, one in Lambton and one in Middlesex. The staff from the Harrow Experimental Station looked after seven of these plots while our Staff looked after the other three. The results of these tests, as well as the tests in former years, resulted in the recommendation of the following varieties,—

<i>Very Early</i>	<i>Early</i>	<i>Medium</i>	<i>Late</i>
Canada . . . . . 275	Minhybrid . . . . . 301	De Kalb . . . . . 240	Funks . . . . . G 15
Wisconsin . . . . . 275	Pioneer . . . . . 355	Canada . . . . . 606	Pioneer . . . . . 322
Canada . . . . . 279	Kingscrest . . . . . M	Wisconsin. . . . . 606	De Kalb . . . . . 104A
Wisconsin . . . . . 279	Canada . . . . . 531	Canada . . . . . 645	Canada . . . . . 696
Canada . . . . . 355	Wisconsin. . . . . 531	Wisconsin. . . . . 645	Wisconsin . . . . . 696
Wisconsin . . . . . 355		Canada . . . . . 625	Iowa . . . . . 939
		Wisconsin. . . . . 625	Kingscrest. . . . . FB
		Ohio M . . . . . 15	Iowa. . . . . 912

Where fertilizer is applied to corn it is always hard to establish the kind of fertilizer and the amount which will give the best results. The following table will show that considerable variation in yield, comparing the check where 100 lbs. and where 250 lbs. were applied to corn per acre. On the particular field where the corn was tested last year it looked as if an extra amount of potash would be beneficial.

<i>Variety</i>	<i>Yield per acre Shelled corn lbs.</i>
Check	1752.8
0-20-0 @ 100 lbs.	2389.7
0-20-0 @ 250 lbs.	2148.9
0-12-10 @ 100 lbs.	2386.3
0-12-10 @ 250 lbs.	2701.9
2-12-10 @ 100 lbs.	2936.8
2-12-10 @ 250 lbs.	3259.2
2-12-6 @ 100 lbs.	2915.3
2-12-6 @ 250 lbs.	3054.5
2-16-6 @ 100 lbs.	3143.0
2-16-6 @ 250 lbs.	2983.1

The following points will give a fair summary of information from experimental work with hybrid corn in 1942,—

- (1) Hybrid seed yielded 20% more than where seed from second generation hybrid was used.
- (2) There was very little difference in the yield of medium sized hybrid seed and large size, and only a slight reduction where the small grades were used.
- (3) Single cross hybrids yielded on an average as high as the double cross seed. This seed, however, is too expensive for general farm use.

## BEANS

Bean variety tests were conducted as usual in 1942 with the different types of beans grown throughout the district.

### *Yields of Pea and Other Bean Varieties 1942*

<i>Variety</i>	<i>Yield per acre bus.</i>
E.F.R.	49.27
Wisconsin Robust	49.27
Michigan Robust	48.41
Navy (Wigle)	48.41
Guelph Selected	47.98
Ithaca Robust	17.54
Michelite	16.68
Blue Pod	39.76
Burbank (Alberta)	38.90
Yellow Eye	34.58
Red Kidney	34.58
Pinto	32.58
B.C. White	31.98
B.C. Speckled	26.80
Alberta Brown	12.97

It will be noted in this table that "EFR", Michelite and the different types of Robust beans gave the largest yields. Michelite was slightly down in the test this year but continues to give the highest average over a period of the last five years. It is also slightly earlier than the Robust and, in most cases freer from disease.

## SOY BEANS

A variety of soy bean tests was conducted again in 1942. It gave slightly different results than we have had for the past few years. However, there was so little difference in the yield of the best varieties that the question to be settled by the grower should be the date of maturity rather than the yield.

<i>Variety</i>	<i>Yield per acre bus.</i>
O.A.C. No. 211	41.10
Mandarin	41.07
Goldsoy	40.32
Ontario	37.80
Kabott	37.10
Richland	38
Manchu	42
A. K. Harrow	42
Cayuga	28.17

Winter Barley has done well during the past five seasons. It yields on the average more than do the Spring varieties. The Variety test of 1942 is shown in the following table,—

<i>Variety</i>	<i>Yield per acre bus.</i>
Winter Barley	60.1
Byng	60.0
Wisconsin No. 38	57.2
Spartan (2 Rowed)	55.8
O.A.C. No. 21	43.1

The only new variety tried in the test in 1942 was Byng, which seems to give excellent results. Over a period of the last five years Wisconsin 38 and Spartan (2 Rowed) have been the best yielding Spring varieties under local conditions.

## OATS

The only new oat tested in the oat variety test this year was the Mable. It did not yield any higher than the Cartier or Alaska, and lodged just as badly as the other varieties. After testing oats for a number of years the Alaska and Cartier are looked upon as the standard for early oats and Erban and Vanguard for the later oats. In the following table, it will be noted that these varieties again are showing up well under South Western Ontario conditions.

<i>Variety</i>	<i>Yield per acre bus.</i>
Alaska	111.1
Cartier	108.7
Mable	100.0
Erban	100.9
Vanguard	91.0
Worthy	85.8

## PASTURES

A series of test plots of different grasses for pasture were put down in 1941. Each grass was sown in strips and also in mixtures so that observation could be made while cattle were pasturing on them at different seasons of the year. The four grasses that stood out during the first year of these observations were Parkland Brome, Orchard, Meadow

Fescue and Perennial Rye. They established themselves early and provided grass throughout the whole season. The Blue grass and Timothy plots did not show any appreciable growth after June, even in a wet season, while some of the other grasses were inclined to fall into a medium class. From this test, and from other tests that have been conducted, it would look as though the Parkland Brome is particularly suited to dry land and is the most palatable of any of the strong growing grasses. Orchard Grass, Meadow Fescue and Perennial Rye rank in that order as far as palatability is concerned. For moist ground Ladino clover for pasture purposes is recommended.

In order to lengthen the pasture season, several annual crops have been under test for the past few years. For this purpose Rye or Michele grass for early Spring pasture, Sudan grass for the hot, dry season and marrow stem Kale or Rape for late Fall are recommended.

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## STATISTICS AND PUBLICATIONS BRANCH

The preparation of agricultural statistics was again carried on with the co-operation of the rural school teachers, a large corps of farm crop correspondents, and others engaged in agricultural activities.

The statistical information prepared was released promptly and distributed, free of charge, to the public through the medium of the following regular Reports which were issued during the year:

The Annual Statistics Report which shows by county division the acreage, production and value of field crops; the number and value of live stock on farms; a record of the number and amount of Chattel Mortgages outstanding; detailed weather information; and a valuable summary of field crop and live stock statistics for the Province since 1882.

The Monthly Crop Report which contains current information relating to field crops and live stock, including such items as acreage, condition, production, prices and trade.

The Monthly Dairy Report contains statistics of total commercial sales of whole milk by distributors in the Province of Ontario by sales areas, production of butter and cheese by county, and other information relating to prices, stocks, and trade in dairy products.

The Fruit and Vegetable Crop Report which is issued monthly from May to October covers the development of fruits and vegetables.

The Annual Reports of the various Branches of the Department of Agriculture and agricultural bulletins printed for distribution during the year are as follows:

<i>Annual Reports</i>		<i>No. of Copies</i>
The Report of the Minister of Agriculture		1,650
Agricultural Societies		5,000
Entomological Society		1,500
Horticultural Societies		3,000
Ontario Agricultural College and Experimental Farm		2,000
Ontario Fruit and Vegetable Growers' Association		5,300
Ontario Veterinary College		1,000
Stallion Enrolment Board		2,800
Statistics Branch		3,000
 <i>Bulletins</i>		
<i>Serial No.</i>		
327 Knots and Splices: Rope on the Farm		25,000
335 The Strawberry in Ontario.....		10,000
355 The Raspberry and Blackberry in Ontario ..		10,000
112 Quick Frozen Fruits and Vegetables in Locker Storages		20,000
120 Cattle Lice and How to Control Them		15,000
121 The Use of Soil Testing for Truck Crops		5,000
122 Swine Parasite Control ..		10,000
123 Save That Litter.....		50,000
124 Pollination in Relation to Orchard Planning		50,000
125 Legumes for Profit.....		75,000
126 Farmyard Manure Serves Best on the Land		50,000
 <i>Extension Circulars</i>		
60 Weed Eradication by Chemicals		10,000
61 Home Gardening in Wartime...		25,000
62 Summer Pastures for Ontario		50,000
63 Keep Them Milking		50,000
 <i>Handbooks</i>		
Feeding and Management of Poultry		75,000
Feed Hogs for Profit		50,000

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## AGRICULTURAL AND HORTICULTURAL SOCIETIES BRANCH

### AGRICULTURAL SOCIETIES

#### *Fall Fairs*

Owing to the pressure of war there was a slight reduction in fairs held from 255 in 1941 to 237 in 1942. Results were very gratifying as 50% reported an increase in gate receipts in spite of the fact that 1941 was a favourable year, with gate receipts high on the average. At several fairs records were established in both gate receipts and entries, but on the average entries tended to be lower, due to a shortage of help and restrictions of different kinds.

As all of the property was required for military purposes, the Canadian National Exhibition was cancelled. While the Central Canada organization was unable to hold a show at Ottawa, true to their tradition of supporting junior activities to the limit; a junior fair was held at Kemptville with a total of 179 entries in live stock. In addition, 114 girls participated in Garden

Brigades and Home Making Club classes. In judging competitions, 98 entered.

A new Society was organized at Walkerton on application from the group which had been conducting successful Christmas Fairs for a number of years. Millbrook Society, dormant in 1941, was reorganized and held a very successful spring fair.

Weather on the average was favourable for fairs as only 38 applications were received for special grants. It was therefore possible to pay the full 90% allowed by the Act.

*War Features* — Bands, uniforms and war displays provided a martial atmosphere at most fairs. Plans were changed in numerous ways to make the greatest contribution to the national programme. In almost every case prize lists were revised to include more practical classes and omit those of less utilitarian value.

*Encouragement to Juniors* — Increasing support was given to juniors in three main divisions,— (1) For those of public school age. (2) Teen age. (3) Junior farmers. In school fair sections noncompetitive project displays were impressive. In 1942 some 150 Societies sponsored teen age boys and girls clubs. The Central Canada (Ottawa), The Canadian Lakehead (Fort William) and Leamington each again organized junior camps.

The Canadian Lakehead Society provided 2 scholarships for young people, one for boys and the other for girls, in the age group 18 - 26 years. To qualify each must be a member of a junior organization, participate in one of the available projects and exhibit in the junior section of the exhibition.

#### *Special Live Stock Shows*

Special exhibits of "Hogs for Britain" were featured at many fairs. The T. Eaton Co. Ltd., again offered special grants of \$30.00 to 58 Societies and smaller donations to 26 other Societies. Somewhat similar grants were made available by Packing Houses and other firms.

"Black and White Days" were sponsored by 35 Societies, also 3 District Championship fairs. In co-operation with breed clubs, 7 Shorthorn shows were sponsored by Societies and 2 similar Ayrshire shows were held.

In support of the Ontario sheep programme, numerous Societies included classes, such as "Pens of 5 Ewe Lambs" and "Pens of 3 Pure Bred Ram Lambs".

#### *Judges*

Departmental judges were provided for all fairs in the districts of Northern Ontario. In the Counties of the South, each Society provided its own judges.

By co-operation of the Kemptville Agricultural School, a short course for fall fair judges were attended by 116 young men. Certificates were issued to each who had made a satisfactory standing in the courses for 2 years, 1941 and 1942.

#### *Other Projects*

As usual Societies promoted a wide range of enterprises in the interests of agriculture in their respective communities. Field crop competitions stood

next to fairs as a major programme item. In 1942 a total of 194 competitions were organized but due to weather and other difficulties, grants were paid on 167. This was an increase of 8 contests and 63 competitors over 1941. Home and Farm Improvement competitions were conducted by Canadian Lakehead, Norwich, Ohsweken and Kenora Societies. Grants were paid for spring stock shows to Seaforth, South Huron, Arthur, Moore and Erin Societies. Sires were maintained by 13 Societies and grants were paid on 129 animals, a slight increase over the previous year.

## ONTARIO ASSOCIATION OF AGRICULTURAL SOCIETIES

In spite of travel restrictions and farm labour shortage, at least 1 meeting was held in each district, except in districts 14 and 15. Two meetings were held in districts 7, 8 and 12.

During the year the Association provided 65 Service Diplomas to Societies awarding them for unselfish and effective service in agricultural and rural life.

The most important Association enterprise is the annual convention in February, which was well attended. The programme was planned to give leadership to Society officers and encouragement to farmers facing high war production goals.

## HORTICULTURAL SOCIETIES

The increasing demands of war placed added burdens on all citizens and the type of person who supports Horticultural Societies will be found most active in other community and patriotic organizations. In view of these facts the officers of some Societies were pessimistic at the opening of 1942 and feared that membership would drop. Where an aggressively optimistic attitude was taken, success usually followed and 55% of Societies reported an increase in membership. The following 4 Societies reported an increase of over 90% — Galt, Woodstock, Thessalon and St. George.

### *Society Register 1912*

Societies receiving grants	193
Societies dormant	17
Societies uncertain	2
Societies reorganized	1
Societies inactive	24
New Society	1
	—
	238

Havelock, dormant for a number of years, was reorganized. A new Society was formed in Vespra Township.

### *Patriotic Activities*

Practically all Societies participated in patriotic endeavour of various kinds. As an example, Guelph organized an Old Country Flower Show and Carnival and raised a total of \$1,000. Many Societies paid prize money in war stamps and a number made surplus funds available to the Government, by the purchase of war bonds. Several Societies co-operated in the landscaping and other improvement of military grounds and in supplying flowers to military hospitals.



*Juvenile Work*

More encouragement was given to juniors, and 100 reported special programme features, including 50 junior shows, 30 garden and other competitions and 20 featuring essay and birdhouse contests.

*Other Activities*

Public planting was supported by 121 Societies. Flower shows were organized by 120. Vegetables were given much more prominence. Over 50 garden competitions were reported and the majority of these featured vegetables. Farm and Home Improvement competitions were conducted by the Mountain, Russell, Campbell and Silver Water Societies.

## ONTARIO HORTICULTURAL ASSOCIATION

*District Activities*

In spite of travel restrictions, district meetings were held in 10 districts. In addition, summer picnics, field days and similar gatherings were held in 6 district-areas.

*Junior Judging Competitions* — There were 4 district competitions for junior flower judging, with 13 teams entered. Owing to restrictions on travel the Provincial contest was not held this year.

*Association Awards 1912*

C. F. Neelands .....	Silver Medal and Diploma
Percy Bone .....	Silver Medal and Diploma
Leon Van Cleemput .....	Silver Medal and Diploma
Ernest Kohler .....	Diploma
Michael Marsburgen .....	Diploma
20 diplomas, one to each school winning 1st prize in a County or school inspectorate competition.	
J. B. Spencer .....	J. E. Carter Medal

*Seeds for Prisoners of War*

In co-operation with the Royal Horticultural Society of Great Britain, \$860.00 was donated by Societies, for purchase of seeds, and sent through the Association to camps for Prisoners of war. Extracts from reports from "British men of confidence" indicate that these seeds are reaching prisoners and are greatly appreciated by them. The crops produced supplement food supplies and the growing of them provides a useful hobby.

*Rural School Improvement*

In 1942 a total of 23 County or Inspectorate contests were held, being an increase of 10 over the previous year. The winner in each of these was eligible for entry in the Provincial contest, in which 20 schools were judged. The trophy winners are listed —

S.S. No. 11 Amabel .....	Bruce County .....	J. E. Carter Trophy
S.S. No. 6 Percy .....	Northumberland .....	Hon. P. M. Dewan, Trophy
S.S. No. 6 Tuscarora .....	Brant .....	T. Eaton Co. Ltd., Prize
S.S. No. 1 East Nissouri .....	Oxford .....	T. Eaton Co. Ltd., Prize

Stimulated by these contests, but independent of them, a Province wide school ground improvement programme was promoted under the direction of an Inter-Departmental Committee, representing the Departments of Education, Forestry and Agriculture.

During the year 34 Societies gave assistance in the improvement of school grounds.

#### *Other Association Services*

Service diplomas for unselfish contributions to horticulture, were completed for 37 Societies. Record books were supplied to 21. Lantern slides were shipped on loan for 30 meetings. In addition horticultural cuts were provided on loan, or sold to Societies.

The Horticultural Societies News Column, in Canadian Horticulture and Home Magazine was continued throughout the year.

### ONTARIO PLOWMEN'S ASSOCIATION

The 1942 International Plowing Match was cancelled in August, after extensive preparations had been made to hold it in Huron County. Except for a last minute withdrawal in 1918, due to an epidemic of influenza, this was the first break in 30 years. Since a state of war was declared in 1939, the board had faced trying conditions each year, but managed to produce 3 very successful war matches, which they firmly believe made worthy contributions to the national effort on the agricultural front. The pressure of war was more acute in 1942, and after analysing the situation very carefully, it was believed cancellation would be in the national interest.

#### *Branch Activities*

The withdrawal of the big match placed a greater responsibility on Branches. It is therefore gratifying to report that the light of good plowing was kept alight by the holding of 60 Branch matches. While the number of entries was down in many cases, some new records were established. Welland County reported over 50 entries and a most enthusiastic annual dinner. Victoria had a successful Match, and an attendance of 150 at the banquet.

To restrict travelling and time, Brant and Six Nations Branches held a joint match. A similar plan was followed by Haldimand and Haldimand-Brant, with success, except for weather.

A new Branch was organized in Wilmot Township, Waterloo County.

A match at Upsala, about 90 miles beyond Fort William, served as a reminder that we have not passed the pioneer stage in all parts of this large Province, and also in the early days plowing matches were conducted by Agricultural Societies, including the itinerant Provincial exhibitions. In following an identical plan, the Upsala Society in 1942 promoted a plowing match, the first most of the settlers had seen.

#### *Junior Programme*

Probably reflecting the cancellation of the International, there was a decrease in junior events, with Junior Matches 6; Home Plowing Competitions 6 and Demonstrations on match plowing 4. In addition most senior match prize lists included classes for boys.

*Medal Winners' Trip*

By courtesy of Salada Tea Co., of Canada, Limited, medal winners at the 1941 International Match, Messrs. Elmer Armstrong, St. Pauls, and Marshall Deans, Paris, with trip manager W. C. Barrie, Galt, were privileged to enjoy an educational tour of the Prairie Provinces and the Pacific Coast. The programme included participation in the Manitoba Provincial Match at Brandon; consultation with officers of a Plowmen's Association in British Columbia; inspection of Experimental Farms and many other interesting agricultural features. Owing to the shortage of farm labour the trip was made by aeroplane.

*Dynamometer Tests*

Match plowmen, more than other farmers, appreciate the importance of proper plow adjustment, but few realize the total loss annually in power and time due to improper setting of plows and other implements. With this fact in mind, 5 Branches in Waterloo County and 1 in Halton, conducted demonstrations by the use of dynamometers for measuring draught.

*Annual Convention*

The efficient use of machines and other ways of meeting the problems of war in relation to the cultivation of land, featured the annual meeting programme. Attendance was very satisfactory.

## IMPLEMENT COMMITTEE

To cope with problems arising from sale restrictions on new machinery, and the much larger production programme, a Departmental Committee was appointed in May 1942.

This committee co-operated with the Controller of Farm Implements by presenting the urgent needs of Ontario farmers and submitting recommendations on the proportion of the limited supply of metal to be allotted for different kinds of machines and other equipment.

An education programme was promoted aimed at making the maximum use of machines on farms. The more important features were:

Clinton Spring Horse Show	\$195.00
Elora Spring Horse Show.....	88.50
Linwood Spring Horse Show.....	136.00
Toronto Horse Show.....	200.00
Middlesex Heavy Horse Show....	94.60
North Blenheim Spring Horse Show.	136.00
St. Clements Spring Horse Show.	93.00
	<hr/>
	\$913.60

## LIVE STOCK BRANCH

### HORSES

Canadian farmers have met the challenge for increased production and in so doing have relied more and more on power machinery rather than the increased use of horses. Despite the introduction of machinery rationing in 1942 there has been no appreciable increase in interest in the horse industry. Accurate statistics on breeding operations are not available but figures covering breeding during the 1942 season supplied by owners of premium stallions reveal a marked decrease in the number of mares bred. The owners of 312 stallions reported that 13,040 mares were bred to their horses during the year. Corresponding figures for 1941 disclose that the owners of 242 stallions bred 12,833 mares in 1941. Hence, while a slightly higher number of mares were bred in 1942 the average number bred by each stallion was lower than in the previous year. This trend has been in effect for a number of years and if it continues much longer Ontario will soon be populated with a lot of old horses as the number being born each year is not sufficient to replace those that are rapidly growing old.

The price of horses throughout most of the year was comparatively low, the occasional good team or outstanding individual commanding a reasonably high price. Prices obtained at auction sales during the winter months of 1943 were slightly higher than prices prevailing throughout the greater part of 1942. There is an opportunity at present for farmers to select good foundation mares for breeding purposes at reasonable prices. The breeding of the best mares to the best stallions should be encouraged.

### STALLION ENROLMENT

There was a substantial decline in the number of stallions enrolled for public service during the year. The year's total was 1,294, consisting of 191 stallions in Form 1, 206 stallions in Form 2 and 894 stallions in Form 3, with 3 stallions having interim certificates. This total represents the least number of horses enrolled in any year since 1934. This decrease in enrolment was largely caused by the elimination of Form 4 stallions from public service.

Premiums were paid to the owners of stallions in Form 1 and 2 when 15 or more mares were left in foal. The maximum premium on a Form 1 stallion was \$56.25 and on a Form 2 stallion \$37.50. 91 Form 1 stallions qualified for A premiums totalling \$2,857.50 while 104 Form 2 stallions qualified for B premiums totalling \$2,505.00. These sums, paid by the Ontario Live Stock Branch, were duplicated by the Dominion Department of Agriculture.

### HORSE SHOWS

The Ontario Live Stock Branch continued to co-operate with local Horse Breeders' Associations in 1942. Where such associations sponsored spring horse shows grants were made available on the basis of 50% of the prize money paid out up to a maximum of \$200.00 per show. Assistance was rendered to shows in 1942 as follows:—

Clinton Spring Horse Show.....	\$195.00
Flora Spring Horse Show.....	88.50
Linwood Spring Horse Show.....	136.00
Toronto Horse Show.....	200.00
Middlesex Heavy Horse Show.....	94.60
North Blenheim Spring Horse Show.....	136.00
St. Clements Spring Horse Show.....	93.00
	\$943.60

## CATTLE

Inspected slaughter of cattle in Canada declined from 990,130 head in 1941 to 968,741 head in 1942. Exports to the United States declined from 160,260 in 1941 to 121,195 in 1942. This trend indicates that more cattle are being retained on farms for breeding purposes or for marketing at increased weights. Beef prices were subject to price control throughout the year. This was a factor in determining cattle prices. Exports were permitted to the United States during the first two quarters of the year and quotas were filled in each instance during the first four weeks. During the 3rd quarter, that is after July 1st, a new policy was instituted. Cattle intended for shipment to the United States were purchased by the Wartime Food Corporation, an organization set up by the Dominion Government. Cattle so purchased were paid for at or near prevailing prices in the United States. Some were actually exported but only when the domestic demand was insufficient to handle the volume of product offered. Export was discontinued during the month of August and no cattle intended for slaughter have been shipped to the United States since that time.

Marketings have been somewhat erratic resulting in temporary meat shortages in many Eastern cities. The price structure adopted was a factor in creating these shortages. A basic price was established during the fall and periodical increases were permitted as the season advanced. This policy was adopted to encourage feeding of cattle for increased weight with a view to creating a higher tonnage of beef. At the end of the fiscal year cattle prices on all grades were approximately \$4.00 per hundred weight above 1939 levels.

There was a good demand on the part of American buyers for Canadian dairy cows. A total of 24,619 were exported in 1942 as compared with 22,228 in 1941. Of the total exports of dairy cattle during the past year 14,381 originated in Ontario.

## RESTRICTED AREAS

The cattle owners in all counties in Old Ontario except Frontenac, Welland and Kent, have now petitioned for tuberculosis testing under the restricted area plan. A number of counties in which testing commenced in 1941 had their tests completed or nearly completed in 1942. In addition testing was undertaken in a number of other counties. The following summary reveals the results of initial testing as of March 31st, 1943.

## INITIAL TESTING 1942-43

<i>County or District</i>	<i>No. Herds</i>	<i>No. Cattle</i>	<i>No. Reactors</i>	<i>Reactors</i>
Cochrane	778	7176	113	1.5
Dufferin	2261	16816	1566	3.3
Grey	7727	136887	1038	2.9
Lanark	2835	52717	867	1.7
Simcoe	7293	102999	2596	2.5
Wellington	155	2636	130	1.9
Essex	5095	31111	2053	6.6

Retesting operations were conducted as follows during the fiscal year:--

## RETESTS

<i>County</i>	<i>Test</i>	<i>No. Herds</i>	<i>No. Cattle</i>	<i>No. Reactors</i>	<i>Reactors</i>
Brant	2nd General	2067	21225	195	.80
Dundas	5th General	1261	22635	32	.11
Frontenac	3rd General	511	11226	29	.26
Glengarry	5th General	170	8261	2	.021
Leeds	1th General	9	125	0	.....
Norfolk	2nd General	2762	20280	230	1.13
Prescott	1th General	2291	37617	15	.039
Prince Edward	5th General	1586	19217	20	.10
St. Joseph's Island	2nd General	232	1719	.....	.....
Thunder Bay	3rd General	651	3601	3	.08
Waterloo	2nd General	1500	26317	175	.06

Retests were conducted in all herds in which reactors were found. The Ontario Department of Agriculture reimbursed the Federal Department for transportation expenses incurred by Federal Veterinarians engaged in the testing of cattle in restricted areas. The total amount paid for such purposes during the fiscal year amounted to \$18,895.29.

## AUCTION SALES OF PURE BRED LIVE STOCK

Assistance was made available through the Ontario Live Stock Branch to Live Stock Breeders' Clubs sponsoring auction sales in the fiscal year 1942-43. Such assistance was on the basis of \$4.00 per head sold up to a maximum of \$150.00 in any one sale. These grants applied in cases where all animals offered were free from tuberculosis and contagious abortion. When shows were held in conjunction with sales an additional grant of \$25.00 was made. Following is a list of Breeders' Clubs receiving such assistance during the fiscal year.

<i>Organization</i>	<i>No. Head Sold</i>	<i>Grant</i>	<i>Prize Money</i>
Waterloo County Holstein Breeders' Club	38	\$ 150.00	
National Holstein-Friesian Sales Association	68	150.00	
Grey County Shorthorn Breeders' Club	37	148.00	\$25.00
Canadian Ayrshire Breeders' Association, Heifer Calves, British War Relief	9	36.00	
North Bruce Shorthorn Breeders' Club	28	122.00	
Ontario Aberdeen-Angus Association	12	150.00	
Ontario Hereford Breeders' Association	27	108.00	
Western Ontario Consignment Sale Co. Ltd.	12	150.00	
Prince Edward County Holstein Breeders' Club	10	150.00	
Brant District Holstein Breeders' Club	11	150.00	
Victoria County Shorthorn Association	17	68.00	
Durham County Shorthorn Association	37	148.00	
		\$1,530.00	\$25.00

## CATTLE SHOWS

In order to encourage an improvement in cattle, assistance was made available in the form of grants to local Breeders' Clubs sponsoring district or regional shows. Such grants were on the basis of 20% of the prize money paid out with a maximum of \$100.00 at any one fair. In all, 42 shows were assisted by grants totalling \$3,307.75.

## CONDEMNATION INSURANCE

At the instigation of cattle owners generally and by direct request from the Ontario Cattle Breeders' Association, investigational work was initiated in 1941 with a view to determining the actual losses resulting from disease in cattle. Representative groups of cattle from restricted and non-restricted areas were selected each week at the two large Toronto Packing Plants by a representative of the Ontario Live Stock Branch. Accurate records covering losses produced by disease were kept. The investigation covered a period from March 25th, 1941 to March 28th, 1942. The records so obtained revealed that the actual losses in steers, heifers and bulls, originating in restricted areas, is less than the present schedule of insurance deductions while the average losses in cows originating in restricted areas and in all cattle originating in non-restricted areas is greater than the amount of insurance deducted at the present time. In December 1942 these facts were presented to a meeting to which had been invited representatives appointed by each county council, the executive of the Ontario Cattle Breeders' Association and representatives of the trade. After the findings had been presented and fully discussed it was decided to refrain from asking for any adjustment in the present schedule of condemnation insurance rates until the conclusion of the war.

## SWINE

Canadian hog marketings in 1942, amounting to 6,228,208 head were the largest on record being almost double prewar marketings. All provinces in Western Canada showed an increase in marketings as compared with 1941 while Ontario and Quebec registered a decline. Ontario marketings dropped from 2,326,623 head in 1941 to 2,021,591 in 1942. Western Canada has gained supremacy in volume of hog production, 1941 marking the first year in history in which the western provinces marketed more hogs than the eastern provinces. Ontario still ranks top as a producer of high quality hogs. 35.8% of our 1942 marketings graded A's and 48.1% B1's as compared with an average of 29.9% A's and 46.1% B1's in the Dominion.

Canada completed one overseas contract and started on another during the fiscal year. The contract completed in November totalled 600,000,000 lbs. while the new contract asks for 675,000,000 lbs. This vast quantity represents over three times as much as was shipped in any year previous to the outbreak of war and 40,000,000 lbs. more than was shipped during the entire four years of World War No. 1. The price under the new contract was 10% higher than for any previous contract.

## ASSISTANCE TO SWINE SALES

Grants were made available to pure bred Swine Associations holding Auction Sales. Such assistance is on the basis of \$2.00 per head sold up to a maximum of \$150.00 for any one sale. The following organizations received assistance in 1942-43:—

Ontario Yorkshire Breeders' Society	73 head	\$116.00 grant
Eastern Ontario Yorkshire Breeders' Association	35 head	105.00 grant
Eastern Ontario Yorkshire Breeders' Association	76 head	150.00 grant
Bruce County Yorkshire Breeders' Club	12 head	84.00 grant
	226 head	\$185.00 grant

### HOG SUBSIDY

The Hog Subsidy Policy initiated in 1941 continued in 1942. Under this policy subsidies of \$1.00 per head on A's and 50 cents per head on B1's are payable to hog producers upon application. Following is a summary of the payments made during the year.

<i>April 1/42 to March 31/43</i>	
Total applications	191,111
Total Hogs Marketed	1,707,095
No. A's	661,649
No. B1's	843,216
Total Amount of Subsidy	\$1,086,217.00

### BACON HOG CLUBS

The Bacon Hog Club Policy is applicable only in those districts where good boars are not readily available. Under the terms of the policy boars are loaned to clubs containing a minimum of six members owning at least twenty sows. The cost of the boars and their transportation is borne by the Ontario Live Stock Branch. During the year a total of 70 boars was purchased at a cost of \$3350.50. Transportation charges amounted to \$477.67. Following is a summary of Bacon Hog Clubs in operation at the end of the fiscal year:— Eastern Ontario, 140; South Western Ontario, 41; Other areas, 23.

### SOW DISTRIBUTION

A keen demand for pure bred sows of Advanced Registry breeding emanated from farmers in Eastern Ontario. The Ontario Live Stock Branch co-operated with the Federal Department in selecting suitable sows to fill such orders. A total of 156 sows was shipped. Transportation charges were shared equally by the two departments, the cost to the Ontario Department being \$182.92.

### INCREASED SWINE PRODUCTION CAMPAIGN

During the first three years of war the rate of increase in swine production was sufficient to provide for overseas contracts and still permit the sale of a reasonable amount of pork products in Canada. With the announcement of the 1942-43 contract it was obvious that a definite increase in hog production was necessary if the contract was to be filled in the prescribed time. A specific goal of 8,000,000 hogs for 1943 was established by the Dominion Government. This represents an increase of 28%. Each province was asked to contribute a share of that increase. Ontario agreed to undertake an increase of 20%. The task of attaining that increase was delegated to the Ontario Live Stock Branch. The request came much too late to effect any increase in the first six months of 1943 through the breeding of more sows. Efforts were made to achieve the objective during this period through the only possible means, namely, by saving more of the little pigs that are actually born. Pamphlets containing up to date information on good swine husbandry were prepared and



widely distributed among Ontario hog producers. Radio programs were conducted and many prominent producers appeared on the broadcasts for the purpose of outlining effective methods of reducing mortality in little pigs. An urgent appeal was made for the increased breeding of sows through the press and over the radio. An objective of one extra sow on every farm where proper accommodation was available was established.

Surveys conducted during the winter months reveal that approximately 20% more sows were bred during the late fall months of 1942 and the early winter months of 1943 than during a corresponding period twelve months earlier. In the light of these facts Ontario marketings should show an increase of 20% during the fall months of 1943 although it is doubtful if that objective will be reached in the first eight months of the year.

## SHEEP

This class of live sock came into prominence during 1942 largely because of a threatened wool shortage. Canada produces approximately 19,000,000 lbs. of wool annually. Wartime consumption has amounted to over 100,000,000 lbs. Most of our imports originate in Australia and New Zealand. Until Japan entered the war there was little danger of this country being unable to obtain her requirements. However, when war was extended to the Pacific area supplies were in jeopardy and a program for increased sheep production in Canada was undertaken. A Wool Board was set up for the purpose of handling all wool supplies. Prices were stabilized at approximately 30 cents per lb. in Eastern Canada. An objective of 1,000,000 more sheep in Canada was established.

### INCREASED SHEEP PRODUCTION CAMPAIGN

Ontario agreed to undertake to increase her sheep population by 25%. The job of directing the campaign was delegated to the Ontario Live Stock Branch. Appropriate literature was prepared and mailed to all sheep owners. Such literature contained a frank statement of the situation and an appeal to increase the size of the flock by at least 25% through the retention of more ewe lambs. Those having ewe lambs for sale were urged to list them with their Agricultural Representatives and those who wished to establish flocks were asked to get in touch with Agricultural Representatives. Thus these departmental offices were utilized as clearing houses for those who wished to sell and those who wished to buy.

In order to provide a source of supply for those who were unable to obtain good ewe lambs locally a farm in the Toronto area was rented. Ewe lambs that would otherwise have been slaughtered were purchased on the Union Stock Yards and in the Rainy River District. These lambs were assembled at the farm from which point they were offered for sale. An experienced shepherd was employed for a three month period to take charge of the depot. A total of 1146 ewe lambs was handled. They were purchased by 67 farmers most of whom were establishing new flocks. The response to the various appeals was magnificent. The number of ewe lambs coming to the market was very low and there is every reason to believe that Ontario's objective of a 25% increase was achieved.

### ASSISTANCE TO SHEEP SALES

The policy of assisting pure bred organizations to hold Auction Sales was extended during the year to include sheep. Assistance was on the basis of \$1.00 per lot sold up to a maximum of \$100.00 for any one sale. In view

of the urgent appeal for increased sheep production regulations required that a minimum of 40 females be included in the offering. Organizations receiving assistance during the year were as follows:—

Grey-Bruce Sheep Breeders' Club	\$94.00
Ottawa Valley Sheep Breeders' Association	61.08

### LAMB FAIRS

The Live Stock Branch co-operated with the Federal Department of Agriculture in conducting Lamb Fairs in Northern Ontario. Nine Fairs were held, five of them on Manitoulin Island. A total of 3974 lambs were marketed through those five Fairs. All good ewe lambs were purchased by the Live Stock Branch for shipment to the depot. The total number secured was less than 200 indicating that Manitoulin Island farmers made substantial increases in the size of their flocks. The following is a report of the Lamb Fairs held in 1942.

<i>District</i>	<i>Location of Fair</i>	<i>No. Exhibited</i>	<i>Prize Money Paid by Each Dept.</i>
Thunder Bay	Port Arthur (Can. Lakehead)	60	\$ 30.00
Temiskaming	Uno Park	291	30.00
Algoma	St. Joseph's Island	212	30.00
Manitoulin	Barrie Osland	178	30.00
	Little Current	850	30.00
	Manitowaning	963	30.00
	Gore Bay	837	29.00
	Mindemoya	845	30.00
Kenora	Dryden	79	30.00
		1618	\$269.00

### RAM DISTRIBUTION

As an inducement to establish new flocks the Dominion Department of Agriculture instituted a policy whereby anyone establishing a new flock of 15 or more ewes was loaned a ram for a period of two years. A total of 208 rams was placed under this policy. The Dominion Department also sponsored a ram club policy which provided farmers in Northern Ontario with graded rams at nominal prices. 287 rams were placed under this policy.

A Boys' Sheep Club was organized in the County of Brant. Members requiring rams are provided with the same for the nominal sum of \$5.00. The Ontario Live Stock Branch and the Dominion Department of Agriculture shared the difference between the cost price of the ram and the amount paid by the club member. Rams were purchased for three club members during the fiscal year.

### BOYS' CLUBS

Under the terms of the Boys' Club Policy prize money is shared equally by the Provincial Department of Agriculture and the Dominion Department of Agriculture and the sponsoring organization. Ontario's share of the prize money on live stock clubs is paid through the Ontario Live Stock Branch. Following is a summary of contributions made to live stock projects during the year.

<i>Type of Club</i>	<i>No. Clubs</i>	<i>Total Contribution</i>
Calf.....	85	\$1,150.00
Foal.....	11	135.00
Swine.....	25	136.16
Sheep.....	2	25.00
Poultry.....	7	76.00
	<u>130</u>	<u>\$2,122.16</u>

This Branch also contributed to the Inter-Club competitions held at Guelph and Kemptville as follows:—

<i>Kind</i>	<i>Amount</i>
Dairy Cattle OAC	\$ 27.00
Dairy Cattle KAS	18.00
Beef Cattle OAC	22.50
Swine OAC	38.50
Swine KAS.....	6.50
Foals OAC	20.00
	<u>"</u>
	\$132.50

## POULTRY

The Ontario Live Stock Branch assisted local Poultry Associations in holding fairs and educational meetings. A summary of assistance rendered during the year follows:—

Number of Associations holding shows during the year.....	10
Number of Judges and Lecturers supplied	Judges..... 9
	Lecturers..... 1
Total amount of grants paid to Local Associations	\$562.00
Total expenditure—Judges, Lecturers, etc.	\$111.91

## LIVE STOCK PROTECTION ACT

The Live Stock Protection Act is administered by the Live Stock Branch. Provision is made whereby parties dissatisfied with awards made by local valuers may appeal to the Minister of Agriculture for a valuer. The act originally covered sheep only. A few years ago it was amended to include cattle. In 1942 a further amendment was made whereby poultry was included provided a municipality passed a by-law authorizing their inclusion. Thirteen appeals were received in 1942-43. These appeals were on account of sheep having been killed or damaged by dogs. All were satisfactorily adjusted.

## BRANDING OF LIVE STOCK ACT

This Act designates the Director of the Live Stock Branch as "Recorder of Brands" for the Province. Under the present act brands are allotted to poultry men for the purpose of identifying their flocks. During the fiscal year 60 new poultry brands were allotted, 243 renewed, making the total number recorded 2,863.

## LIVE STOCK SHIPMENTS TO THE WEST

The policy of handling co-operative cars in the distribution of pure bred live stock originating in Ontario and sold to western buyers has been continued. During the year one shipment was organized consisting of 14 shorthorns and one jersey. These were distributed in Western Canada from

Winnipeg to Calgary. Such assistance makes possible an accommodation to western buyers and Ontario breeders which would otherwise be impossible, thus facilitating the movement of breeding stock.

## ONTARIO PROVINCIAL WINTER FAIR

Military authorities commandeered Winter Fair buildings, Guelph, in 1939. Since that time the Winter Fair Board has been holding a show of steers, hogs and lambs at the Union Stock Yards, West Toronto, and the Seed Fair at the King Edward Hotel. However, both of these events were discontinued in 1942.

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## WOMEN'S INSTITUTE BRANCH

### ORGANIZATION

#### *Membership*

Number of Senior Women's Institutes in Ontario March 31, 1943	1,211
Number of Junior Women's Institutes in Ontario March 31, 1943	50
Total number of Women's Institutes in Ontario March 31, 1943	1,291
Membership March 31, 1943, approximately	36,700
Institutes organized during the year	5
Institutes disbanded during the year	11

Of the Institutes which disbanded, 14 were junior and 30 were senior Institutes.

#### *District Annual Meetings and Conventions*

Annual meetings were held in 98 districts in May and June with representatives from 1170 Institutes and a total attendance of 9,177.

Thirteen area conventions were held in the fall of 1942 with a total attendance of 2552.

The Women's Institute Branch was represented at all conventions and district annual meetings.

#### *Correspondence*

Circular letters approximated 42,000; personal letters approximated 25,000.

#### *Packet Loan Collection*

Assistance in preparation of programmes was given to 775 Institutes through the loan of 4,046 articles. These covered topics under such general headings as Citizenship, Post-war Problems, Home Economics, Social Welfare, Agriculture and Other Industries, Historical Research, Biographies, Music, Art and Literature.

This shows an increase over 1941-42 of 149 Institutes served.

*Literature Published*1. *Printed—*

Home and Country—four issues—10,000 copies each.  
 Cooperative Programme in Home Economics for 1943-44—7,000 copies.  
 The Milky Way—5,000 copies.  
 How Many Vegetables Did You Eat Today?—a 4 page folder—3,000 copies.  
 Calling Rural Girls—4 page folder—2,000 copies.  
 Recipes and Instructions for Jam-making for Britain—1,500 copies.  
 Functions of Standing Committees—3,000 copies.

2. *Mincographed*(a) *For teaching purposes only—*

What's New in Nutrition (revised).  
 Being Well Dressed and Well Groomed (revised).  
 Girls' Garden Brigades, 1st, 2nd and 3rd years.

(b) *For follow up of Nutrition Conferences.*

Planning the Family Meals in Wartime.  
 The Meat Problem.  
 Use Whole Grain Cereals for the B Vitamins.  
 Getting your Money's Worth out of a Potato.  
 Supper Dishes—Economical and High in Food Value.  
 How Shall I Provide Vitamin C?

(c) *For general distribution.*

Eat Less Sugar for Health and Victory (revised).  
 Menus Within the Sugar Ration.  
 Canada Approved Flour and Bread.

*Legislative Grants*

To Districts \$3,678.50; To Institutes \$1,593.00; Total \$5,271.50.

*Staff Conference*

Conferences included one in September for the nutrition staff; one in February to plan the Co-operative Programme; two in December for the home economics coaches. One of these was held at the Ontario Agricultural College with the Horticultural Department co-operating in preparation for the special Junior Garden and Canning programme.

## FEDERATED WOMEN'S INSTITUTES OF ONTARIO

The Provincial Board held its annual meeting in November 1942. The executive officers met in April, 1942. Mrs. Clarence Holmes, Belleville, R.R. 3, is the new President and Mrs. W. B. Leatherdale of Coldwater is Secretary-Treasurer. The Treasurer's annual statement showed receipts \$5,718.93. Expenditure \$3,972.03 and balance \$1,746.90.

*Affiliations* — Affiliation has been continued with the Federated Women's Institutes of Canada and the Associated Countrywomen of the World and a new affiliation established with the Canadian Federation of Agriculture.

*Standing Committees*

Effective work is being carried on under the new list of standing committees:—Agriculture and Canadian Industries; Citizenship; Historical Research, Home Economics, Social Welfare and Publicity. Every committee has been well supported with emphasis probably on citizenship, health, agriculture and home economics.

A new outline of the Functions of Standing Committees has been prepared and is available from the Department.

*Overseas Correspondence*

New "letter friends" were established with Institutes abroad as follows:—  
England 10, Scotland 1, Australia 4.

*Putnam Memorial Fund*

From this fund \$3.85 was paid for transportation of relief bales to Northern Ontario.

## SPECIAL WARTIME ACTIVITIES

*Central War Charities Fund F.W.I.O.*

Registered under the War Charities Act this fund continues to receive excellent support.

Total receipts for year January 1, 1942—December 31, 1942   \$11,122.89

Total expenditures for year January 1, 1942—December 31, 1942   9,175.88

*Outstanding Contributions in 1942 Include*

Jam for Britain—Sugar Fund	2,128.67
National Federation of Women's Institutes, England	
Vegetable Seeds	758.10
War Distress Fund	500.00
Tin Can Sealing Machines	291.98
Canadian Red Cross Society	1,102.57
British Children's War Service Fund	1,000.00
Navy League of Canada	653.25
Chinese War Relief Fund	510.00
Mrs. Winston Churchill's Fund for British Service Women	500.00
Other War Charity Funds	163.30

*Jam for England*

The Federated Women's Institutes of Ontario and the Ontario Division, Red Cross Society co-operated to secure and send 260,000 pounds of jam, jelly and honey to England for the use of bomb victims, especially children, and Canadian military hospitals.

*Support of Canada's National War Work*

The F.W.I.O. actively supported the National War Finance Committee in the sale of bonds and war savings certificates, the Salvage Committee and the Consumer Branch of the Wartime Prices and Trade Board.

*Maple Sugar for the Navy*

In the spring of 1942 the Women's Institutes supplied 17,882 cakes of maple sugar to the Navy League for distribution to men of the navy and merchant marine.

*Local War Work*

Reports from Institutes indicate that the majority of Institutes continue to co-operate with the local Red Cross branches.

Over a period of one year the following accomplishments have been listed:—

Money raised for local war work	\$123,291.57
Gifts to local enlisted men—value	\$ 22,907.03
Contributions to various War Charities	\$ 52,600.23
Knitting—number of articles	102,639
Sewing—number of articles	101,759

## THE WOMEN'S INSTITUTE BRANCH

### Staff

The staff of the Women's Institute Branch consists of a superintendent, six field assistants in home economics for the senior Women's Institute programme; two field assistants in home economics who assist part-time with the senior Women's Institute programme and part-time as county home economics coaches; one supervisor of junior homemaking extension work; six county home economics coaches; one loan collection librarian; five secretaries and clerks; and three nurses and three home economists who work part-time.

## CO-OPERATIVE PROGRAMME IN HOME ECONOMICS

In view of the present nation-wide interest in nutrition, general health education and clothing construction and renovation it is interesting to note that help along these lines has been offered to Women's Institutes by staff members of the Women's Institute Branch. This has been done through the Co-operative programme in Home Economics since its inception in 1935.

To meet the problem of increased transportation difficulties new district services of one-day conferences in nutrition and one-day lecture-demonstrations in health education were offered. Instruction was given also through local leader training schools, speaker service, district rallies, and one, three and five-day short courses.

Through the Co-operative Programme some type of service was given to 1041 Women's Institutes and 8,838 members were contacted directly. Of these 4,391 were interested in food and nutrition, 2,626 in health education, 929 in administrative leadership, 654 in clothing and textiles, 223 in home crafts (knitting) and 15 in housing. Through the local leader training classes especially and, to a smaller degree through the other district projects, the spread of influence from this programme will be very much greater than these figures indicate.

## DISTRICT PROGRAMME

### Local Leader Training Schools

<i>Divisions of Study</i>	<i>Districts Served</i>	<i>Institutes Represented</i>	<i>Local Leaders</i>
Clothing and Textiles	9	77	77
Food and Nutrition	11	85	167
Total	20	162	244

### Summary Days (Results of Last Year's Training Schools)

<i>Divisions of Study</i>	<i>Number of Summary Days</i>	<i>Institutes Represented</i>	<i>Attendance</i>
Clothing and Textiles	8	67	465
Food and Nutrition	20	183	800
Home Crafts (Emergency Knitting)	1	10	40
Total	29	260	1305

*Nutrition Conferences*

<i>Subject</i>	<i>Districts Served</i>	<i>Meetings Held</i>	<i>Institutes Represented</i>	<i>Attendance</i>
What's New in Nutrition.....	34	128	300	2471
Wise Buying for Well Planned Meals	10	35	96	656
Total	44	163	396	3127

*Lecture Demonstrations*

<i>Subject</i>	<i>Districts Served</i>	<i>Meetings Held</i>	<i>Institutes Represented</i>	<i>Attendance</i>
Health Education	15	61	98	1888

*Speaker Service*

<i>Subject</i>	<i>Districts Served</i>	<i>Meetings Held</i>	<i>Institutes Represented</i>	<i>Attendance</i>
Citizenship in the Rural Community	1	5	11	180
Food and Nutrition	7	26	60	859
Health Education	4	17	43	518
Total	12	48	114	1557

*Special Service*

<i>Subject</i>	<i>Districts Served</i>	<i>Meetings Held</i>	<i>Institutes Represented</i>	<i>Attendance</i>
The Tourist Home	1	1	1	15

*Rallies for Officers and Members*

<i>Districts Served</i>	<i>Institutes Represented</i>	<i>Attendance</i>
27	201	749

## INSTITUTE PROGRAMME

*Short Courses*

<i>Division of Study</i>	<i>Number Held</i>	<i>Enrolment</i>
Clothing and Textiles	36	577
Food and Nutrition	13	238
Health Education	12	220
Home Crafts	8	223
Total	69	1258

*Special Short Courses*

Three special three-day courses in Nutrition with an enrolment of 33 were held in Simcoe County as a result of five community meetings, with an attendance of 279. These were arranged in co-operation with the County Federation of Agriculture and the Community Life Training Institute.



At Ansonville (Cochrane District) a special one-month course was arranged through the Agricultural Representative; two weeks were devoted to nutrition with an average attendance of 21 and two weeks to health education with an average attendance of 13.

## JUNIOR EXTENSION PROGRAMME IN HOME ECONOMICS

### *Homemaking Clubs*

	<i>Training Schools for Leaders</i>	<i>No. of Clubs</i>	<i>No. of Members</i>	<i>No. of Achieve- ment Days</i>	<i>Records of Achieve- ment</i>	<i>Partici- pation at Fairs</i>
Food and Nutrition Clubs.....	39	188	993	....	803	....
Clothing Clubs....	22	86	496	....	351	....
House Furnishings Clubs.....	8	41	210	....	144	....
Hospitality.....	5	23	183	....	130	....
Home Defence	14	60	382	....	274	....
Total.....	88	398	2264	53	1702	250

Provincial Honour pins and certificates were awarded in 1942 to 30 club members who had completed 12 Homemaking Club units.

Training schools for leaders are conducted by County Home Economics Coaches, members of the staff of the Women's Institute Branch each serving several counties. Later coaches visit clubs and arrange achievement days.

### *Girls' Garden Brigades*

Two hundred garden brigades with 1500 members were organized in 45 counties and districts under the supervision of the Agricultural Representatives and Home Economics Coaches. Records show that 85% of the gardens were in production with over 70% of the gardeners completing all phases of the brigade programme.

Garden brigades for 1943 have been organized in 46 counties and districts with a membership of 2200.

### *Eastern Ontario Girls' Conference*

In May 1942 eighty girls from 18 counties attended a three-day conference at Kemptville Agricultural School. The programme arranged jointly by the Women's Institute Branch and the Kemptville Agricultural School staff, featured topics of interest to rural girls in wartime.

### *British War Garments*

Homemaking Clubs, junior institutes and county organizations have contributed \$1517.51 for material for garments for British children. Approximately 1500 garments have been shipped to date, and many more are in the making.

### *Farm Service Force*

The Home Economics Coaches assisted in the registration of girls working on their home farms with the Farm Girls' Brigade of the Ontario Farm Service Force. Approximately 1000 of these girls received Certificates of Merit.

## CO-OPERATION WITH OTHER ORGANIZATIONS AND AGENCIES

The Women's Institute Branch wishes to acknowledge the assistance given so generously by other Branches of this department, especially the Agricultural Representative Branch, the Agricultural and Horticultural Societies Branch, the Kemptville Agricultural School and the Ontario Agricultural College.

Assistance was given to the special programme of the Simcoe County Federation of Agriculture and the Community Life Training Institute by providing the services of a nutrition instructor during the winter of 1942-43. Women's Institute staff members contributed to district meetings of the Agricultural Societies and the Women's Section of the Agricultural Societies convention in Toronto.

In Eastern Ontario the home economics coach assisted the Economics Division, Department of Agriculture, Ottawa in a rural nutrition survey in Stormont County. This will be continued in 1943-44.

The Women's Institute Branch has kept in touch with the special wartime activities of such agencies as the Canadian Red Cross Society, the Navy League, the St. John Ambulance Association, the Consumer Branch of the Wartime Prices and Trade Board and the National War Finance Committee, and has co-operated with them as need arose.

In the interests of rural health continued support has been given to the work of such organizations as the Canadian Society for the Prevention of Tuberculosis, The Canadian Society for the Control of Cancer, the Ontario Society for Crippled Children and the Health League of Canada. There has been co-operation with the Department of Health especially with the branch of the Chief Public Health Nurse and the Provincial Nutrition Committee.

## OUTLOOK

As the war continues, bringing new problems each succeeding year, the fundamental value of the home economics programme carried on by the Women's Institute Branch during the past years is appreciated more and more. Because of participation in this educational programme Institute members are better prepared to meet the special problems of home life which face them today.

It is impossible to pay sufficient tribute to the farm members who are working so faithfully to increase agricultural production. The growing demands on the time of all rural women and transportation restrictions have necessitated further changes in the types of services to be offered during 1943-44. We regret that local leader training schools have had to be discontinued temporarily but look forward to their re-introduction later. For 1943-44 district services will be so arranged that staff members will visit as many Institutes as possible and short courses for Institutes will be encouraged. Subject matter will deal primarily with the questions facing homemakers during wartime, but preparation for post-war rural reconstruction will not be overlooked.

The Junior extension programme, through homemaking clubs, will

continue to help girls and young women to learn skills and to develop appreciation of values so that they may become better citizens. In nutrition and clothing clubs members are putting into actual practice national programmes on nutrition and conservation. The willingness of rural girls to assume their share of responsibility for food production is evidenced by the number participating in the garden and canning brigades for 1943. There is still need to make the opportunity for club membership available to rural girls who have not yet been reached.

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## FRUIT BRANCH

Two fruits that produced heavy crops in 1942 were the peach and the grape. Notwithstanding the very adverse season, both exceeded in volume any crop in recent years. Owing to the excessive moisture, however, brown rot in peaches spoiled what otherwise would have made a very profitable return to the Niagara District growers. Outside of labour difficulties in getting the grapes harvested, this fruit gave a gross return of over a million dollars to the growers.

With other fruits and some of the vegetables, the wet season seriously affected crop conditions. For the third year apples were short in volume and of low grade owing to scab. Potatoes also suffered severely from rot and the total crop was disappointing. Pears were irregular in volume due to the bad conditions at blossom time, Keiffers alone giving a good crop.

Final production figures are as follows:

Apples	616,950 bbls.
Pears	112,100 bus.
Plums	190,500 bus.
Peaches	1,620,000 bus.
Grapes	36,000 tons
Potatoes	330,915 tons
Tomatoes	8,590,530 bus.

Inspection for apple maggot was suspended during the summer and only a token inspection at harvest time involving about 10% of the registered orchards was carried on jointly by the Federal and Provincial Governments. Continued difficulty in carrying on field work owing to the gas and rubber restrictions and shortage of trained men, also affected the inspection for corn borer. With the added serious labour situation on the farms the Minister of Agriculture finally ordered a relaxation of the regulation covering destruction of corn stubble.

Owing to the discovery of the Japanese Beetle at two border points in previous years, a special effort was made jointly by Federal and Provincial Departments to find out whether this pest was spreading to other sections of the Province and also to treat the infected areas already located. Thousands of traps were set out at all border points between the U.S.A. and Ontario and around some of the larger centres of population like Toronto and Hamilton. The experiment was tried of employing high school girls as trap attendants and some 33 girls were engaged during the summer months on this work. The Federal supervisors were very pleased with the results and will again ask the help of The Farm Service Force Branch of this Department in selecting sufficient girls for the coming season.

Owing to the restrictions on the operation of long distance fruit trucks, the Napanee road station was not opened and the Gravenhurst Station was operated for one month only with a single inspector in charge. Some help was given to the Dominion Inspection staff in Toronto and at Camp Borden. In the former case, retail stores in the eastern part of the city were visited regularly to see that the regulations under The Farm Products Grades and Sales Act were being lived up to. This was specially necessary the past season owing to the low grade of so much of the produce.

During the year the long awaited census figures on fruit and vegetable production in Ontario were released. Disappointment of the totals shown for vegetables was general among the growers and the accuracy of the returns were questioned by the leaders in the industry. In fruit figures, interest was keen as to the effects of the 1933-34 freeze on both apple and other fruit trees. At the time of the disaster it was generally estimated that 50% of the bearing apple trees were killed and the census returns bear this out. Replanting of this fruit is shown by the number of young trees in the returns and as well, heavy increase is noted in the peach plantings.

### CENSUS REPORT OF FRUIT TREES 1941 AND 1931

	<i>Non-Bearing</i>		<i>Bearing</i>	
	1941	1931	1941	1931
Apples	713,089	625,162	1,136,001	3,663,512
Crab Apples	3,732	6,142	5,040	46,955
Peaches	906,895	319,488	1,117,939	606,676
Pears	282,035	109,108	339,992	341,614
Plums	152,918	97,572	259,350	437,016
Prunes	32,934	.....	24,491	.....
Cherries — Sweet	92,830	98,172	94,897	355,274
Sour	103,402	.....	174,158	.....

### DAIRY BRANCH

The provincial cheese subsidy of two cents per pound of cheese manufactured from milk produced in Ontario was continued for the fiscal year, April 1, 1942 to March 31, 1943. The amount of subsidy paid to producers in Ontario for the year was \$2,530,582.64 as compared with \$2,191,622.40 for the previous year.

The production of cheese in Ontario increased considerably over that of the previous year:— The increase being 23.1 per cent. The provincial subsidy, the increased price of cheese and ideal climatic conditions were largely responsible for the increased production.

The production of creamery butter declined to the extent of 6.3 per cent as compared with 1941. The decrease in butter production was due to more favourable prices being paid for milk used in the manufacture of other dairy products.

On July 6th, 1942, the Dominion Government announced that subsidy of six cents per pound of butterfat would be paid to primary producers for butterfat used in the manufacture of creamery butter in the hope that butter production would be stimulated. The supervision of this work was under the

Provincial Dairy Branch but the payment of the subsidy claims was made by the Commodity Prices Stabilization Corporation Limited at Ottawa.

Increased consumption of butter in Canada in 1942 together with decreased production resulted in a serious depletion of storage stock. Rationing of butter commenced on December 20th at which time price ceilings were re-adjusted and the butterfat subsidy was increased to ten cents per pound of butterfat.

With the increase in cheese production there was a corresponding increase in whey butter production. As the market for whey butter was limited chiefly because of the inferior quality of this product an extensive campaign was started to improve the quality. The results have been quite satisfactory and quality improvement is continuing.

A serious situation has developed in regard to qualified help for cheese factories and creameries. As a result, an amendment was made to the Regulations under the Dairy Products Act to permit the granting of Special Butter and Cheese Makers' Permits to men who had no dairy school training, but who in the opinion of the dairy instructors are qualified to fill the vacancies temporarily of the qualified men who have joined the armed forces.

Two instructors retired from the Dairy Branch staff in 1942. Mr. S. S. Cheetham of Gananoque who was on the cheese instruction staff for thirty-nine years retired on April 1st; and Mr. D. McMillan of Stratford who was on the creamery instruction staff for thirty-one years retired on June 19th. Mr. G. E. Clarke of Harrowsmith replaced Mr. Cheetham, and Mr. P. S. MacDougall of Sebringville replaced Mr. McMillan.

#### *Dairy Branch Field Staff*

	1941	1942
Chief Instructors	3	3
Cheese Factory & Creamery Instructors	2	2
Cheese Factory Instructors	28	28
Creamery Instructors	10	10
Total	43	43

#### *Number of Plant Licenses Issued—*

Creameries	281	279
Cheese Factories	597	588
Combined Cheese Factories & Creameries	30	30

#### *Production of Cheese in Ontario*

Western Ontario	17,524,818 lbs.	26,408,284 lbs.
Central Ontario	18,414,665 lbs.	21,707,564 lbs.
Eastern Ontario	66,053,191 lbs.	77,032,237 lbs.
Northern Ontario	774,114 lbs.	1,388,575 lbs.
Total	102,766,788 lbs.	126,536,660 lbs.

In 1942 Ontario produced 62.4 per cent of the total cheese produced in Canada as compared with 69.0 per cent in 1941.

The quality of the cheese produced in Ontario in 1942 was fairly well maintained despite the fact that the large increase in winter made cheese was not as high quality as that made in the regular cheese producing season.

*Federal Grading of Ontario Cheese—December 1, 1911, to November 28, 1942:*

	<i>No. Boxes Graded</i>	<i>Per Cent First Grade</i>	<i>Per Cent Second Grade</i>	<i>Per Cent Third Grade</i>	<i>Per Cent Below Third</i>	<i>Average Score</i>
Western Ontario.	277,921	94.58	5.36	0.06	—	92.690
Central Ontario..	314,181	96.61	3.33	0.06	—	93.168
Eastern Ontario	798,770	96.11	3.48	0.10	0.01	92.877
Northern Ontario	9,967	85.08	14.23	0.69	—	92.115
Total, 1912	1,100,839	96.01	3.89	0.09	0.01	92.900
Total, 1941	1,083,197	96.97	2.95	0.07	0.01	93.050

	<i>Percentage 94 score cheese</i>	<i>Percentage 93 score cheese</i>	<i>Percentage below 93 score cheese</i>
1912	29.33	11.36	26.31
1941	31.52	15.73	19.75

*Cheese Factory Summary:*

	1911	1942
Number of factories operating	624	607
Number of patrons.....	25,831	27,231
Average per cent fat in milk	3.43	3.38
Pounds of milk to make one pound of cheese...	11.32	11.35
Pounds of cheese per pound of fat	2.57	2.60
Money spent on improving plants	\$264,919.00	\$298,108.26
Average price per pound of cheese	17.10	20.9

*Cheesemakers' Certificates Issued--*

	<i>First Class</i>	<i>Second Class</i>	<i>Permits</i>	<i>Beginners' Permits</i>	<i>Special Permits</i>	<i>Total</i>
1911	185	133	46	17	—	711
1942	521	98	33	36	6	697

*Cheese Factory Instruction*

During the year 1942 the instructors tested the milk samples at the cheese factories from October 1st to December 31st and for the month of January, 1943. Commencing February 1st the testing of milk at cheese factories became the responsibility of the cheese factory management. Commencing on February 1st, 1943, the duties of the cheese factory instructors with reference to testing was confined to check testing only. Their more important duties, cheese factory instruction work and quality improvement of milk at the farms will receive more attention in future.

Due to a labour shortage at the cheese factories and on the farms more difficulty was experienced by the instructors in maintaining the quality of the milk and cheese produced. More time was required to instruct milk producers and cheesemakers who were short of help to maintain quality.

The quality tests for milk were used to good advantage in detecting patrons who were sending poor quality milk to the factories. These patrons were instructed in sanitary methods of caring for milk.

During the year the cheese factory instructors made 10,523 visits to cheese factories — 4,759 visits to producers sending low quality milk to cheese factories. They also made 13,849 sediment tests — 26,795 methylene blue tests and 14,564 fermentation tests.

All factories were again inspected in the latter part of the season and notified of the improvements to be made before they would be eligible for the 1943 license to operate. This yearly inspection has resulted in much improvement in the general condition of cheese factories.

*Production of Creamery Butter in Ontario:*

	1941	1942
Western Ontario	56,419,041 lbs.	51,165,119 lbs.
Central Ontario	15,741,644 lbs.	14,100,979 lbs.
Eastern Ontario	9,779,964 lbs.	7,916,715 lbs.
Northern Ontario	4,411,896 lbs.	4,383,859 lbs.
Total	86,352,545 lbs.	80,867,002 lbs.

Ontario produced 28.4 per cent of the total butter produced in Canada compared with 30.2 per cent in 1941.

Approximately 38 per cent of the Ontario creamery butter was graded in 1942.

*Creamery Butter Graded by Federal Graders:*

	Total Boxes	Per Cent First Grade	Per Cent Second Grade	Per Cent Third Grade	Below Third Grade
1942	550,006	58.91	38.89	2.04	0.16
1941	581,468	56.55	40.40	2.69	0.36

22.09 per cent of the Ontario butter graded was first grade for flavour, but was lowered to second grade because of used boxes, single liners, and having over 3 per cent salt — Making these allowances the quality of Ontario butter which was graded is as follows:

	Per Cent First Grade	Per Cent Second Grade	Per Cent Third Grade	Per Cent Below Third Grade
1942	81.0	16.80	2.01	0.16
1941	78.22	18.73	2.69	0.36

This is the highest percentage of first quality butter since 1926.

*Cream Quality*

The quality of the cream received at the creameries as compiled from the instructors' monthly reports as follows:

	Per Cent Special	Per Cent First Grade	Per Cent Second Grade	Per Cent Off Grade	Per Cent Special and First Grade
1942	3.5	89.06	7.1	0.04	92.56
1941	4.0	86.70	9.26	0.04	90.70

This the smallest amount of second grade cream produced in Ontario since the inception of cream grading in 1926.

*Creamery Summary*

	1941	1942
Number of Creameries operating	314	298
Number of patrons	86,741	80,643
Average per cent fat in cream	31.90	32.1
Number of creameries making cheese	31	25
Number of creameries making powdered and condensed milk	20	18
Number of creameries making whey butter	48	41
Number of creameries with meat storage lockers	80	83
Number of creameries manufacturing butter only, no other side line	67	65
no other dairy product	143	146
Average price of butter (solids)	33.46	34.90
Average price of first grade fat, subsidy not included	34.62	35.8

*Buttermakers' Certificates Issued—*

	<i>First Class</i>	<i>Second Class</i>	<i>Permits</i>	<i>Beginners' Permits</i>	<i>Special Permits</i>	<i>Total</i>
1941	271	35	3	34	..	343
1942	274	35	3	22	9	343

*Creamery Instruction*

There was considerably more interest in the mould and yeast count service during 1942. One hundred and fifteen creameries joined the service during the year. The creamerymen are realizing the value of this service in helping to maintain the sanitary efficiency in their plants.

As a result of surveys made on the condition of cream cans by the creamery instructors during the past two seasons. The industry obtained enabling legislation under "The War Measures Act" (Dominion) prohibiting the use of cream cans for purposes other than shipping milk or cream and by persons other than the owners or producers delivering milk or cream to them, enforcement of which reclaimed and saved valuable metal.

The mechanical defects found in butter were reduced by 30.7 per cent from 1941. A decrease was noted in all defects with the exception of neutralizer flavour and butter reacting to the Storch Test, indicating improperly pasteurized cream. The causes of these two defects were readily rectified on investigation by the instructors.

The instructors paid more attention than usual to the testing of cream and milk at the manufacturing plants. It gave considerable concern to find that the testing was not as efficiently done as in the past. The causes for this inefficiency were not deliberate but rather due to inexperienced help because of the labour shortage. Some creameries were careless in properly holding and numbering their samples. The importance of correctly weighing, sampling, testing and grading of milk and cream has been stressed at all plants.

Because of gas rationing only four of the buttermakers' clubs held regular meetings during the year. The balance only held a reorganization meeting and one or two other meetings. The instructors attended thirty-nine of their meetings.



Fifty other meetings connected with dairy problems were attended by the instructors during 1942.

Instructors acted as judges in dairy products, including cream quality and cream judging competitions, at fifteen fairs including two seed fairs. The average number of entries was thirteen.

## AGRICULTURAL REPRESENTATIVE BRANCH

During the period covered by this report, food ascended to a position of equal importance to that of munitions and the Agricultural Representative's office became the Agricultural War Office for the county.

Increased food production projects, organization for the increased use of power machinery and conservation of implements, gasoline and rubber; assistance to mobilization boards in the investigation of applications for postponement; organization of farm labour, including Commando help and the interpretation of ever increasing orders and regulations concerning quotas, rationing and control of farm products and equipment added tremendously to the demands made on the Agricultural Representative's Services and taxed to the limit his organizing ability and physical endurance.

Agricultural War Committees were organized in every county and most of the districts in Ontario. During the year this organization was extended to include township representatives and, in many cases, school section or polling division committee men. The total number of farmers now serving on War Committees as officers, committee men, township or community representatives runs well into four figures.

These committees guided by the Agricultural Representatives, created both rural and urban organization for recruiting, transportation and distribution of Commando help. Thousands of acres of the record 1942 crop were saved as a result. Literally hundreds of cities, towns and villages participated in this work.

A total of 13,248 applications for postponement were investigated. Here again a service was rendered to agriculture by retaining key men and supplying mobilization boards with valuable information. The sheep production programme resulted in the retention of at least 81,000 ewe lambs for breeding purposes or an increase in breeding stock of 25%.

Farm organization and co-operative marketing was aided and supported. 264 two-day courses on Farm Machinery Care, Repair and Adjustment were held with an attendance of 15,844 farmers.

Junior Farmer and Boys' and Girls' Club Work suffered somewhat, the former due to so many young men and women enlisting and the latter due to the inability of the Agricultural Representative to find the necessary time to devote to club work. There are still, however, over 3,200 enrolled in Junior Farmer Associations and 4,908 boys and girls took part in club work.

All major activity was directed toward food production with the greatest concentration of effort placed on bacon, cheese, eggs and dairy products.

Changes in personnel — E. A. Innes resigned on March 19, 1943, to go farming.

A. M. Barr resigned from the Brant County office on April 1, 1943, to join the Canadian Holstein Friesian Association.

Hamish G. MacLeod resigned from the Grenville County office on April 1, 1943, to join the Dominion Concrete Company.

Thos. R. Hilliard, Assistant in York County, joined the Royal Canadian Navy on June 6, 1942 as a Sub Lieutenant.

LeRoy G. Brown, Assistant in Grey and Middlesex Counties, joined the Royal Canadian Air Force on October 1, 1942.

Miss Norah J. Cooper of the Head Office staff joined the Women's Royal Canadian Naval Services on November 1, 1942.

Bruce W. Smith was appointed as Agricultural Representative in Manitoulin on April 1, 1943 but took seriously ill and died on May 15, 1943.

R. C. Banbury was transferred from Manitoulin to Northumberland County, Ian MacLeod transferred from Northumberland to Brant County and C. C. Tennant was transferred from the Crops, Seeds and Weeds Branch to the position of Agricultural Representative in Grenville County.

### COUNTY WAR COMMITTEES

County War Committees have been organized in every county in Old Ontario and most of the districts in Northern Ontario. In addition to the central committee of nine to fifteen men, there are township representatives and, in many cases, school section or polling division representatives.

The County War Committees were organized to deal with any emergency agricultural problems and they provide a channel through which the Agricultural Representative and the Department of Agriculture can contact all farmers quickly.

In addition to meetings called from time to time to deal with the needs of the various counties, two series of meetings were held, one during the Spring of 1942 and the other in March and April, 1943. An official of the Ontario Department of Agriculture attended each of these meetings.

Many counties have appointed sub committees on farm labour and farm machinery. Machinery has been set up for the recruiting, transportation and distribution of volunteer urban help and the repair and co-operative and custom use of farm implements has been encouraged.

#### *Commando Labour*

It is impossible to determine the total result of the "Commando" or volunteer labour effort in providing help for the farmers. This work was carried on in practically all counties and districts in the Province, and the agricultural representatives were most active in promoting the organization

of local farm help committees, commando brigades, and in assisting in their operations.

## LIVE STOCK IMPROVEMENT

### *Horses*

Horse shows were held by the Middlesex Heavy Horse Association at Strathroy, the Horse Breeders' Association at Stratford and the Peterborough and Durham Clydesdale Association at Millbrook, with the agricultural representatives lending their co-operation.

The Agricultural Representatives provided transportation for the stallion inspectors on their annual fall inspection trips.

### *Cattle*

Thirty-eight special dairy cattle shows were held, with a total entry of 3,985 and with \$12,441 paid in prizes. Agricultural representatives assisted in the organizations of these fairs and in most cases acted as secretary.

There are 127 active breeders' clubs in Ontario, and the agricultural representative acts as secretary to many of them.

Milk testing facilities have been provided for those wishing to take advantage of them.

In Northern Ontario, where veterinaries are scarce or non-existent, agricultural representatives are called upon to do considerable veterinary work.

116 bull clubs are organized in Northern Ontario in co-operation with the Dominion Department of Agriculture. Twenty-five of these clubs were organized in 1942. The Red Triangle Baby Beef Club was also organized in 1942.

### *Sheep*

The increased wool marketing programme in which Agricultural Representatives took an active part brought forth excellent results.

Ten lamb fairs were held in Northern Ontario, with 1,578 entries, and 4,885 lambs, mostly No. 1, were shipped to market.

Twenty-six dipping, castrating and docking demonstrations were given, at which 1,211 sheep and lambs were treated.

### *Swine*

In co-operation with the Dominion Marketing Service, the Agricultural Representatives make a quarterly survey of breedings to determine the marketing prospects for the future. On the basis of these reports and comparisons with 1942 marketings and reports, the probable increase in marketings for 1943 will be 11 per cent over 1942.

The Agricultural Representatives co-operated with the Ontario Live Stock Branch in organizing boar clubs in districts where quality was below average. There are 262 Boar Clubs in Ontario; 42 were organized in 1942 and 35 were disbanded. A number of agricultural representatives are instrumental in bringing in advanced registry sows from which the progeny will be distributed over the counties.

### *Poultry*

Fifty-two poultry culling and caponizing demonstrations were held in 14 counties with an attendance of 507, and 5,320 birds were culled in demonstration. It is estimated that 60 trained cullers culled 362,000 birds in Ontario.

Agricultural Representatives have participated in all increased production programmes, and in stimulating the co-operative marketing of poultry and eggs.

## FIELD CROP IMPROVEMENT

The fourth annual seed survey was prepared and ready for distribution on February 15.

There are 48 crop improvement associations in the counties of Ontario. Forty County Seed Fairs and Displays were held, with 3,337 entries and a total of 1,293 exhibitors.

Agricultural Representatives organized 265 crop meetings, with a total attendance of 7,333.

### *Demonstration Test Plots*

Total Variety Test Plots	107
Total Variety and Fertility Test Plots	40
Total Fertility Test Plots	11
Total Rod Row Replicated Test Plots	43
Total Hay and Pasture Improvement Test Plots	56
Total Miscellaneous, including Hybrid Corn and Potato Test Plots	113
Total	100

400 variety, fertility and other plots ranging from one tenth to several acres in size were laid down in 1942. These plots made location for field and demonstration meetings and served in providing local committees with much valuable information. 265 Hall and Field meetings were held with an attendance of 7,333. Agricultural Representatives act as secretaries for 44 of the 48 County Crop Improvement Associations.

## SEED GRAIN DISTRIBUTION NORTHERN ONTARIO

Under the Seed Grain Distribution Policy the following seed grain and grass seed was distributed to farmers in Northern Ontario on a cash or promissory note basis:

*No. of Settlers No. of Bags Distributed*

DISTRICT	Paid Cash	Pro- mis- sory note	No. of Bags Distributed		Oats 3 bu.	Grass Seed 50 lb.	Peas 2 bu.	Total Cost	Amount cash received
			Barley 2 bu.						
Algoma	1	—	1	—	7	—	—	\$ 22.41	—
Cochrane N.	129	94	35	137	602	30	100	1612.22	2506.45
Cochrane S.	128	87	41	160	666 $\frac{2}{3}$	50	50	1118.38	2215.15
Cochrane W.	181	135	49	388	820	22	105	5557.37	3559.50
Kenora	2	—	2	—	11	—	—	29.70	—
Manitoulin	125	117	8	200	350	—	—	1164.19	1299.70
Musk. & P.S.	107	32	75	60	782	5	—	2607.58	798.50
Nipissing	10	6	34	38	261	—	1	877.51	161.73
Rainy River	20	—	20	138	67	—	—	377.08	—
Renfrew	24	—	21	7	189	—	—	515.80	—
Sudbury	10	7	33	13	211	2	1	907.03	117.80
Temiskaming	17	—	17	14	109	—	—	358.81	—
Thunder Bay	108	101	7	108	1190	111	28	186.25	—
				Miscellaneous				71.28	—
Totals	925	579	316	1593	5298 $\frac{2}{3}$	220	255	22035.61	10658.83
							Rye 28		

/Represents freight and distribution charges only.

19,658 bushels of grain and 12,750 lbs. grass seed were distributed to 925 farmers at a total cost of \$22,035.64. 579 farmers paid cash leaving a net cost for notes and distributing charges of \$10,658.83.

The distribution of good seed in Northern Ontario has resulted in a gradual decrease in the cost of this policy since 1937, when the cost amounted to \$56,764.33.

*Soil Testing*

21 Agricultural Representatives' offices are equipped with Thornton Test Kits for testing soil samples. These representatives report testing 309 soil samples. 1,189 additional samples were forwarded to Guelph, Kemptville, Ridgeway or Vineland for analysis.

*Orchard Spray Service*

4,800 growers in 26 counties received from 5 to 13 letters each. The Agricultural Representative checks the blossom fruit development very carefully in each fruit growing area in his county and the spray letters are sent out accordingly. This service is of long standing and is depended on and greatly appreciated by fruit growers.

*Beautification Projects*

School Section No. 11, Amabel Township, Bruce County, won the J. E. Carter trophy in the Ontario School Improvement Contest. The P. M. Dewan trophy offered to the second school in the provincial contest was won by S.S. 6 Percy, Northumberland County.

Many schools in the province, through the guidance of Agricultural Representatives and supported by Beautification Bureaus and Horticultural Societies are spending more time and effort beautifying school buildings and grounds.

457 farm families competed in the Farmer Magazine Home Improvement Contest. Roy Turnbull, R.R. No. 3, Paris, Ontario, was awarded first prize in the Provincial finals. The Turnbull home is one of the pioneer homes in Brant County.

Carleton County completed this year, a five year Beautification Programme involving 400 farm homes, 100 village homes, 30 cheese factories and 25 schools.

#### *Corn Borer Infestation*

1939	1940	1941	1942
34%	51%	24%	24%

Hybrid Corn which has come into general use for the production of grain and fodder appears to be resistant to corn borer infestation. At any rate the damage is not so noticeable.

#### *Farm Labour*

Apart from Commando help, boys' and girls' camps and Japanese camps, Agricultural Representatives received 2,465 applications for farm help. Most of these were turned over to local employment and Selective Service offices or the Director, Farm Service Force. However, Agricultural Representatives report placing on farms, 344 single men, 197 boys, 72 married men and 68 women or a total of 681 placements.

#### *Federation of Agriculture*

The Federation of Agriculture has organized on a county basis in 30 counties. Two of these were completed during 1942. In many cases, existing farm organizations are affiliated with the Federation.

During the year the Ontario Federation set up committees on Swine and Beef. These committees have sub committees in several of the county associations. Sound agricultural organization is not only the foundation of progressive agriculture but also provides an excellent medium for the development of agricultural education and agricultural extension. Agricultural Representatives, in all cases, took an active part in preparing the ground work and assisting in developing the early stages of the organization.

#### *Co-operative organizations*

Farm co-operative business on the whole continues to progress in a very satisfactory manner.

Agricultural Representatives have fostered and assisted co-operative effort in every county and district. Co-operative companies such as the co-operative services at Peterborough where facilities are provided for meetings and agricultural education is definitely a part of the company's programme are particularly valuable not only to their own members but to the Agricultural Representative in the development of his Educational and Extension Programme throughout the county.

#### *Community Night Class Project*

The Community Night Class Programme organized largely in Simcoe County as an experiment is a co-operative educational activity with the following organizations taking part:

Ontario Departments of Agriculture and Education, the Community Life Training Institute, the Federation of Agriculture and the Simcoe Agricultural War Production Committee. Through the local School Boards and the Federation of Agriculture all local organizations are tied into the programme and since the Federation of Agriculture is supported by county, township and organization grants and individual membership fees, everyone shares in both the financing and the direction of the programme. During the year, 192 community meetings were planned in 35 communities but due to bad weather conditions only 137 meetings materialized. The average attendance was 40. There were 35 discussion groups meeting regularly.

Stencilled or printed material was prepared and printed as follows:

*Copies*

- 1,000 — Booklet Community Programme for Study and Action.
- 500 — Handbook for Study Group Leaders.
- 2,000 — War and the Farmer.
- 3,000 — Community Farming.
- 13,000 — Municipal Health Services.
- 50 — The Church and the Community.
- 7 — Issues Federation News.

The Community Night Class Programme presents a co-operative activity in adult education with the emphasis being placed on the participation of the people concerned in the whole programme.

Some more important results are:

1. Organization of an egg grading and feed distributing centre at Orillia.
2. Credit Union organized at Wyevale.
3. Municipal doctor vote taken — rejected.
4. Dental Health work in schools established in two townships.
5. Area School Boards established in Orillia, Medonte, Tay, Vespra and Sunnidale townships.
6. Community buying and pick-up service in four communities.
7. Crop Improvement projects in co-operation with Crop Improvement Association.
8. Potato Growers' Association formed at Lafontaine featuring the tuber unit method of seed production.
9. Co-operative use of farm machinery.
10. Soil Improvement and land use projects at New Lowell and Forest Home.
11. Advanced Registry Swine Clubs in two communities.
12. Use of the County Library Association.

The supervision of the programme is largely shared by the two Agricultural Representatives and the Director of Community Life Training Institute.

## EXPORT FOOD SHOWS

Two export food shows were held in the Province, one at Ottawa and the other at London. The Ottawa display featured export cheese, bacon and eggs. There were 354 exhibits of cheese, 62 hog carcasses and egg exhibits by 19 Eastern Ontario egg grading stations. All ten egg drying plants in Canada competed in the dried egg classes. Total expenses of this show including prize money amounted to \$2,567.13. Total revenue including grants and balance from the previous year amounted to \$3,105.40. Educational exhibits of bacon, cheese and eggs were on display.

The London Export Food Show was held in connection with the Middlesex County Seed Fair. There were 42 hog carcasses on display. 3,500 people attended this show.

In each case the Agricultural Representative in question acted as secretary and particularly at Ottawa, shouldered much of the responsibility for the successful development of the show. Agricultural Representatives in the surrounding counties assisted with publicity and in assembling entries for the bacon section of the show.

### *Postponement Investigations*

At the request of Mobilization Boards, Agricultural Representatives investigated 13,248 applications for postponement. This involved considerable mileage and time. In some cases, 25 to 33% of the total driving was done in connection with postponement cases alone. This work was much heavier in military district No. 2 than in either districts No. 1 or 3. In addition, much time was devoted to explanations of postponement regulations to men of military age. Another class of Work along this line has to do with investigating circumstances surrounding applications for farm leave by men in the services.

In Northern Ontario most Agricultural Representatives act as district directors of the Barrage Balloon Detector Service.

## JUNIOR EXTENSION

### *Rural School Fairs*

51 School Fairs were held under local management. 10,111 pupils in 408 schools made 21,167 entries. There was an attendance of 25,170 adults and 11,292 children. Agricultural Representatives assisted with the judging and management of the fairs and many of the prize lists were mimeographed in the county offices.

### *Short Courses*

Only two of the regular courses were held. Both were for girls and both were organized in South Cochrane. They were held in February with a total enrolment of 62.

### *Farm Mechanics Courses*

15,844 farmers in 30 counties attended the 264 two-day courses on the Care, Repair and Adjustment of Farm Equipment. These courses were organized expressly to conserve the farm implements and equipment now in



use on farms. 78 lecturers largely consisting of qualified farmers and implement dealers recruited in the counties in which the courses were held, were given a three-day Refresher Course at the Ontario Agricultural College, Guelph early in December. The Courses were held in January, February and March. In spite of almost continuous storms there was an average attendance of 61 farmers per course. Many Agricultural Representatives reported they had received more satisfactory results from the Courses than any other project ever organized.

19 sets of charts and 16 copies of two different sets of slides were prepared as illustrative material for the courses. Each lecturer was equipped with a reference set of bulletins gathered from various Provinces and States.

#### *Junior Farmer Associations*

Enlistments and industry have cut deeply into the memberships of Junior Farmer Associations. There are, however, still 3,060 Junior Farmers enrolled in 56 local Associations and 20 County Associations.

The regular educational meetings and other programmes carried on by these Associations contribute much of the Agricultural development of the communities.

#### *Junior Farmer War Work*

Since June 1940 Junior Farmer Associations in Ontario have raised for patriotic purposes, through the Junior Farmer and Junior Farm Women's Ambulance Fund, more than \$7,000. An Ambulance, a Station Wagon and a Mobile Canteen have been purchased and \$1,400 was contributed to the Canadian "Aid to Russia" Fund. This, of course, represents only a small percentage of the war work carried on by Junior Farmers.

Brant County Juniors, for instance, conducted two Salvage drives in May and November. 235 tons of scrap metal and rubber were collected on which was realized \$2,682. \$1,600 of this money was turned over to the local war service committee to send Christmas boxes to Brant County boys overseas. In March 1943, a Community Auction Sale was arranged from which \$2,100 was collected for the current Red Cross drive.

The Perth Juniors of Lanark County have organized three blood donors' bus trips to Ottawa.

Wentworth Juniors staged a grand concert and draw netting \$1,450 for the Junior Farmer and Farm Women's Mobile Canteen.

York County Juniors netted \$940 on the sale of tickets on a registered Holstein cow and her calf.

#### *Junior Farmer News*

"Junior Farmer News", a monthly mimeographed publication is now in its fifth year and continued to carry reports of Junior Farmer activities across the Province.

#### *Inter-County Competitions*

With most of the larger fairs cancelled for the duration, Inter-County Competitions in Live Stock and Seed Judging have practically disappeared.

The only two events held for Junior Farmers were the Seed Judging Competitions at the Quinte and Ottawa Valley Seed Fairs

#### *Quinte District Seed Show — Picton*

Total Competitors—37

Winning Team—Durham County ..... Frank Stenger, Enniskillen  
Stanley Taylor, Burketon  
Lloyd Kellogg, Port Hope No. 1

Coached by E. A. Summer, Agricultural Representative, Bowmanville.

#### *Ottawa Valley Seed Fair — Chesterville*

Winning Team—Rensfrew County..... Jack Patterson, Foresters Falls  
Jack Bell, Cobden No. 1  
Basil Bulmer, Foresters Falls

Coached by F. J. Dench, Agricultural Representative, Renfrew.

#### *4-H Club Congress, Chicago*

Ten Junior Institute members and eleven Junior Farmers, all county winners in the counties of Bruce, Halton, Lincoln, Norfolk, Peel, Perth, Wentworth, York and Ontario, attended as a group, the national 4-H Club Congress in Chicago, November 28th - December 4th. The Ontario party provided an International aspect to the Congress and were the recipients of special recognition on several of the programmes. Two of the party were chosen for a 15 minute broadcast over a coast to coast hook up.

E. A. Innes, Agricultural Representative, Brampton was in charge of the party and Miss Flora Durnin, Home Demonstration Coach acted as chaperone.

#### *Boys' and Girls' Club Work*

4,908 boys and girls were enrolled in 369 clubs in 1942 as compared to 306 clubs with a membership of 4,487 in 1941. Live stock and grain and potato clubs were down somewhat to the previous year, but due in part to the necessity for an adequate vegetable diet in war time the membership in the girls' Garden Brigades was increased by 300%.

Club work is organized in the counties by the Agricultural Representatives and a local committee for each club, one member of which acts as club leader.

#### *Clubs organized in 1942*

	<i>No. Clubs</i>	<i>Membership</i>
Calf Clubs ...	87	1332
Swine Clubs	25	346
Foal Clubs ...	11	148
Sheep Clubs	2	25
Poultry Clubs...	11	181
Grain Clubs ...	37	530
Potato Clubs.....	50	784
Girls' Garden Brigades	146	1562
Totals ...	369	4908

#### *Provincial Inter-Club Contests*

The two high ranking club members in each club are eligible to compete in the Provincial Inter-Club Competitions. Formerly these contests were held entirely at Guelph, but in order to cut down on mileage the contests were

held in 1942 at Kemptville and Guelph. The winning team in each project at Kemptville competed along with teams in Central and Western Ontario for Provincial honours at Guelph.

Prize money totalling \$540 or \$90.00 for each of the 6 projects was pro rated between Kemptville and Guelph according to the number of teams entered. The winning teams in each case received suitable challenge trophies.

### WINNING TEAMS

Project	Teams competing at		County	Coach	Team Members
	Guelph	Kemptville			
Dairy Calf.	25	15	Oxford	G. R. Green J. B. Matheson	Jack Hargreaves, Beachville. Bruce Amos, Ingersoll.
Beef Calf...	6	—	Middlesex	W. K. Riddell	Lachlan Leitch, Glencoe. Murray Carrthuers, Melbourne.
Swine . . . . .	18	3	Durham	E. A. Summers	Francis Wotten, Hampton. Jerry Millson, Enniskillen.
Foal....	6	—	Middlesex	W. K. Riddell	Archie Fletcher, Ilderton Murray Fletcher, Ilderton.
Grain . . . . .	15	4	Durham	E. A. Summers	Garnet Whitfield, Fraserville. Tom Belch, Millbrook.
Potato.....	15	3	Lennox & Addington	C. W. Buchanan	Wray McLaughlin, Erinsville. Jos. Killoran, Erinsville.
Total..	85	25			

220 boys and girls on 110 teams participated in the Provincial contests.

#### National Clubs Contests.

National club contests under the auspices of the Canadian Council on Boys' and Girls' Club Work were held at Toronto on November 2nd and 3rd, to determine Dominion Championships in the respective projects. Ontario entered four teams the maximum allowed for any one Province.

#### Standing of Ontario Teams

Project	Standing	Coach	Team Members
Potato.....	1st	C. W. Buchanan	Jos. Killoran, Erinsville Wray McLaughlin, Erinsville
Grain.....	1st	E. A. Summers	Tom Belch, Millbrook Garnet Whitefield, Fraserville
Swine.....	1st	E. A. Summers	Francis Wotten, Hampton. Jerry Millson, Enniskillen.
Dairy Calf.	3rd	G. R. Green and Bruce Matheson	Jack Hargreaves, Beachville Bruce Amos, Ingersoll.

Since 1931 Ontario has entered 43 teams in National Contests. These teams have rolled up an enviable record of 19 Dominion Championships, 14 seconds, 7 thirds, 2 fourths and 1 fifth.

### *Junior Fairs*

Two Junior Fairs or Club Camps were held in Ontario in 1942.

The Lakehead Exhibition in co-operation with the Port Arthur, Fort William Kiwanis Club staged a three day club camp for club members. 80 boys and girls attended the camp and exhibited 12 calves and 46 lambs, as well as other exhibits.

The Central Canada Exhibition Board in co-operation with the Ontario Department of Agriculture provided a special championship club fair at Kemptville on October 2nd and 3rd. 172 club exhibitors including a few girls brought out in excellent fit and condition 77 Holstein, 35 Ayrshire, 12 Jersey, 17 Shorthorn, 9 Hereford, 7 Baby Beef calves and 30 gilts.

The 77 Holstein calves in one class provided a scene not often equalled in Canada. During the first day of the fair 163 contestants competed in a live stock judging competition and 58 girls participated in the Home Economics events. About 300 Juniors enjoyed the evening banquet provided by the Kemptville Agricultural School.

Agricultural Representatives with their experience in meeting people and organizing ability, are in great demand for all types of voluntary war services. Work of this nature carried on by Agricultural Representatives includes:

- Canvasser for Red Cross.
- Chairman, Publicity Committee Red Cross.
- Chairman, Rural Sales Victory Loan.
- Vice-Chairman Victory Loan.
- Member Reserve Army.
- Air Craft Detection Corps.
- Air Raid Protection Service.
- Member of Advisor to Local Ration Boards.
- Reconstruction and Rehabilitation Council.
- Member Salvage Committee.
- Chairman, County Stamp Committee.
- Chairman, Navy League.

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## MILK CONTROL BOARD OF ONTARIO

In its ninth year of service to the dairy industry of the Province, the Milk Control Board of Ontario has continued to fill an important place and during the year in addition to routine administration of the Milk Control Act the Board has been able to assist the industry in seeking solutions to many of its serious war-time problems.

Milk producers, milk processors and milk distributors have been subject to severe strains as a result of war conditions. They have faced the necessity of supplying a steadily increasing need for food under conditions of steady

increasing shortages of labour, machinery and supplies and under conditions of steadily increasing costs, while at the same time a fairly rigid retail price ceiling has been in effect. Under these conditions the industry has looked to the Board more and more for guidance in its difficulties.

The Milk Control Act places on the Board the responsibility of supervising, in the public interest, the milk industry of the Province. This responsibility involves the issuance, revocation and refusal of licenses; the bonding of milk dealers; and the issuance of orders settling disputes between the various branches of the industry and generally regulating its activities. This responsibility also includes the enforcement of the provisions of the Act.

The Board meets regularly two days each week and on additional days when such extra meetings are necessary. One hundred and twenty-four regular meetings were held during 1942, during which decisions were rendered on eight hundred and eighty-seven items ranging from the adjustment of minor disputes between individuals to the settlement of major problems of milk price and supply over the entire province. During the consideration of these matters three hundred and eighty-three separate hearings were conducted.

In addition to the formal meetings listed above, many informal conferences were necessary particularly with the officers of the Provincial Milk Producer and Milk Distributor Associations and with officials of the Wartime Prices and Trade Board. By means of such conferences the Board was able to perform a valuable service as an interpreter between the officials of the Prices Board and the representatives of the various groups within the industry.

Despite the fact that fairly rigid retail price ceilings had been established by the Wartime Prices and Trade Board for milk and milk products and as a consequence retail price revisions were impossible in most major markets price regulation continued to be an important function of the Board in that any retail price revisions that are possible can be secured only on the recommendation of the Milk Control Board to the Prices Board.

During the year minor price adjustments were recommended and approved for one hundred and eighteen areas in the Province where supply and existing price conditions were such that an adequate milk supply was endangered. Some progress was also made in defining natural areas for uniform milk price structures and in the elimination of local disparities in milk prices.

With producer prices less rigid than consumer prices under price ceiling orders, the regulation of these prices became a very serious responsibility. Supply and demand conditions indicated a general need of upward revision in producer prices and it was necessary for the Board to determine from time to time whether or not such revision was possible within a price structure limited by retail price ceilings. This determination made necessary close study of distributor "spreads" and particularly of the effect of increased volume and increased operating costs on distributor margins, as well as the net results of measures that were instituted with a view to economies in milk distribution methods.

During the year it was possible to make an upward adjustment from about \$1.60 to \$1.95 in the prices paid to producers for secondary milk and also to establish a uniform minimum basic price structure by which structure the producers' position was in addition improved in varying degrees from 5 cents to 20 cents, or more, per hundred pounds.

The payment of milk subsidies became an important part in milk price structures, and it was the duty of the Board to keep the Federal officials informed on production conditions so that subsidy policies might be developed on a sound basis. The Ontario Board recommended a general producer subsidy in the Fall of the year and even though the recommendation was not followed in its entirety the subsidies which have been paid to producers have been of value in helping to maintain production.

The Board has also been of material assistance to the industry in its effort to meet conditions of reduced net income or "spread" and labour shortages by means of a programme of economies. In addition to many changes made voluntarily by distributors, the following changes have been made effective by Board Order during the war period,—

July 1, 1911		Special deliveries eliminated.
February 1, 1912	(a)	Cream sales limited to two grades.
	(b)	Cream containers limited to two sizes.
	(c)	Store returns eliminated.
	(d)	Delivery service limited to one per day and to regular routes even for wholesale accounts.
	(e)	Special bottle caps eliminated.
July 3, 1912	(a)	Charge milk bottle made universal.
	(b)	Retail sales established on a cash basis.
	(c)	Wholesale credit sales reduced.

With rapidly changing conditions bringing new regulations into effect, with increasing costs and reduced margins affecting the financial position of distributors, with increasing purchases necessitating a constant review of bonding situations and with large sums of public moneys being handled by distributors in subsidy payments, the work of the Board's field staff became increasingly important during the year. Without addition to its personnel, that staff has maintained its regular check-testing and payment-checking services and, in addition, has handled the extra auditing work so that errors have been kept to a satisfactorily low amount.

The Board has, therefore, continued its routine administration of the Milk Control Act during the year, has intensified its work of checking payments for milk, and in addition has fitted into wartime conditions by assisting the industry to meet some of its major wartime problems and by acting as the official interpreter between the milk industry of the Province and the Federal wartime regulatory bodies.

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## THE CO-OPERATION AND MARKETS BRANCH

The activities of the Branch are devoted to finding new and larger markets for farm products, to improving distribution and marketing methods as now generally adopted and to obtaining larger net returns for the primary producers.

### *Old Ontario:*

During the year the staff of the Branch attended numerous meetings of producers throughout the Province. Marketing suggestions, probable requirements, the need for more attention to grading, improved packaging and the value of co-operative effort in trading organizations were featured.

Numerous contacts have been made to consult with and advise directors of co-operative companies. There is great need for more supervision of and assistance to co-operative organizations to bring about the adoption of more business-like methods in the administration of the weaker concerns. The need for a wider application of co-operative principles and methods by primary producers after the present conflict is over seems certain. There is much to justify a further extension of the co-operative movement immediately.

Certain companies granted financial assistance through loans secured by first mortgages under the Co-operative Marketing Loan Act were visited in order that their operations might prove more profitable.

The Branch assisted numerous groups in becoming incorporated under Part XII of The Companies Act. The proper type of incorporation, a comprehensive statement of the aims and objects of incorporation, suitable by-laws for co-operative companies and arrangements for a sound financial set-up are all matters that are carefully considered with any group seeking incorporation.

#### *Thedford Cold Storage — Thedford:*

As reported a year ago the operations of this plant since the Ontario Government took title to the property, have been supervised by the Branch in the interest of the fruit and vegetable growers in the district.

During the third season — ending July 31st, 1942, earnings were such, even after maintenance and operation including depreciation, that the guarantee from the Treasury Department was reduced from \$6,500.00 to \$3,500.00.

While celery at harvesting time found a ready sale, as in 1941, nevertheless the quantity placed in storage increased substantially to 20,670 in 1942 compared with 16,963 crates in 1941. The quantity of apples stored showed a similar sharp increase to 4,015 hampers in 1942 compared with 2,938 hampers in 1941.

New business in 1942 contributed materially to plant earnings through the storage of large quantities of winter vegetables, chiefly carrots, beets, cabbage and squash. In addition a contract was entered into with the Greenmelk Company, Wallaceburg, to store 400-500 tons of dehydrated alfalfa to preserve its Vitamin 'A' content during the summer months. The added volume from these two lines plus the main items of celery and apples adds materially to the service rendered by the plant and extends operation to a year round basis.

Gross revenue will be substantially in excess of that earned in 1941 in spite of increased maintenance and operating expenses so that the net result should mean the entire elimination of the guarantee from the Treasury Department in the coming year.

In Northern Ontario and in Northwestern Ontario the work of the Branch has been undertaken by marketing promoters located at New Liskeard and at Port Arthur respectively. A note on the work of each for the past year follows:

#### *Northern Ontario — Temiskaming and Cochrane Districts:*

The work of the Marketing Promoter in this District for the past fiscal

year has been concerned almost entirely with a special Northern Ontario Market Survey in co-operation with the Economics Division, Dominion Department of Agriculture, Ottawa. Object of the survey was to tabulate all of the agricultural commodities marketed in the four main Northern Ontario towns, Timmins, Kirkland Lake, Cochrane and Iroquois Falls during the period July, 1940 to June, 1941, as to volume, value and whether northern-produced or whether shipped in from outside districts or imported. While not yet complete the survey indicates the increasing preference for northern produced veal, poultry, lamb and eggs. Also the importance of the mining towns as markets for farm produce, not only for the surrounding area but for shipment to other parts of Canada and for export to the United States. Perhaps most important is the opportunity the survey indicates to increase local production in many lines that may be produced successfully.

*Northwestern Ontario — Rainy River, Thunder Bay and Kenora Districts:*

Inter-Departmental staff changes made it necessary to transfer the Marketing Promoter from this District to the Crops, Seeds and Weeds Branch as Potato Fieldman on October 1st, 1942.

During the six months of activity in Northwestern Ontario the Marketing Promoter attended thirty-seven meetings, gave nine radio talks and prepared twenty-four farm articles for the press. Fifty-six potato plots were judged and fifty-two visits were made to contestants in Home Improvement contests. Four educational exhibits were prepared, erected and attended in connection with the Canadian Lakehead Exhibition. Live stock and farm products were judged at six fall fairs and six Field Crop competitions. Approximately 2,000 bags of potatoes were officially inspected for certified seed at shipping points.

Assistance was given to obtaining help for farmers. Thirty-three city boys were directly placed to assist farmers during the summer months.

Special assistance was given to the establishment and development of the Stanley Co-operative Cheese Co. Ltd., Thunder Bay and the Producers' Co-operative Creamery Co. Ltd., Rainy River. Both plants established production records during the 1942 season. In the month of July the Stanley plant had 185 shippers, and the season's returns to farmers amounted to more than \$60,000.00.

Approximately twenty investigations and complaints were attended to in connection with the work of the Ontario Milk Control Board for Northwestern Ontario. New milk marketing agreements between producers and distributors were established for the cities of Fort William and Port Arthur, also the towns of Kenora, Dryden, Fort Frances, Rainy River and Nipigon.

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## FARM PRODUCTS CONTROL BOARD

Under The Farm Products Control Act, The Farm Products Control Board is given authority to establish and supervise the operation of local boards for regulating the marketing of designated farm products. The three chief features of the Act are, briefly:

- (1) Provision for the Board to recommend approval of a marketing scheme after a poll has been taken of growers favouring its adoption. A scheme may be revoked in the same way.
- (2) Provision on approval of a scheme to enable those who produce and market a designated farm product to constitute marketing



machinery through which they may negotiate minimum prices, regulate the movement, direct the sale and determine the practices that shall prevail in the distribution of such product.

- (3) Provision for the investigation of marketing conditions and practices in connection with any designated farm product.

#### LOCAL BOARDS ESTABLISHED UNDER THE FARM PRODUCTS CONTROL ACT TO MARCH 31st, 1943

*The Ontario Cheese Producers' Marketing Board:* As reported last year, this was the first local board established under the Act. The purpose of the scheme is:

- (1) To require all cheese to be sold in Ontario on local cheese boards under uniform rules and regulations.
- (2) To defray the necessary expenses of the local board by a service charge of five cents per one hundred pounds of cheese marketed.

The extent the local board has achieved its primary object of stimulating competition in buying cheese is evident from the figures that during 1942, 95% of the cheese graded in Ontario was sold on local cheese boards, whereas only 36.60% of the cheese graded was sold on local cheese boards in 1935, the year operations commenced.

During the period to October 31st, 1942, all cheese was commandeered for export by the Dominion Dairy Products Board at a fixed price of 19<sup>5</sup>/<sub>8</sub>c per pound f.o.b. car or ship, Montreal, Que. To this price was added the Dominion subsidy of 1c per pound for cheese scoring 93 points and 2c per pound for cheese scoring 94 points or better together with the Ontario subsidy of 2c per pound. Under this wartime emergency condition there was no buying competition on the local cheese boards. On November 1st competitive buying was resumed during the winter period for the domestic market under the maximum ceiling price regulation of 25c per pound f.o.b. factory shipping point through the medium of auction sale on the local cheese boards.

In 1942 Ontario produced 125,341,484 pounds of cheese — the largest quantity of cheese that has been produced since 1916 — from milk shipped by some 26,000 farmers; an increase in production of 23,954,265 pounds from 1941.

*The Ontario Peach Growers' Marketing Board:* Some 750 growers sold 13,505 tons of peaches for processing in 1942, which had a money value of \$889,114.28. This provided for one of the largest Ontario peach packs on record and was a substantial increase from the 10,536 tons of peaches sold by 700 growers for processing in 1941, which had a money value of \$662,410.81. The minimum price was \$70.00 per ton for Elberta and Jubilee peaches, compared with \$65.00 per ton in 1941, and \$65.00 per ton for "V" type peaches compared with \$60.00 per ton in 1941. This increase of \$5.00 per ton, or 1/4c per pound, was paid through subsidy by the Commodity Prices Stabilization Corporation, Ottawa, after negotiation by the peach growers due to increased costs of production.

Peaches for the wholesale and retail fresh fruit trade are exempt from the plan.

*The Ontario Asparagus Growers' Marketing Board:* Approximately 650 growers sold 2,878,138 pounds of asparagus for processing in 1942, which had a money value of \$273,592.19. This compares with 2,716,746 pounds of asparagus sold for processing in 1941, which had a money value of \$241,694.50. The 1942 asparagus minimum price of No. 1A (5") was 12¼c per pound, No. 1B (6") was 10⅞c per pound, Utility Grade A was 9¼c per pound and Utility Grade B was 8c per pound, and No. 2 Grade 5c per pound, compared with the 1941 asparagus minimum prices of No. 1A (5") 11¾c per pound, No. 1B (6") 10⅞c per pound, Utility Grade 7¾c per pound, and No. 2 Grade 5c per pound.

Asparagus for the wholesale and retail fresh vegetable trade is exempt from the plan.

*The Ontario Pear, Plum and Cherry Growers' Marketing Board:* Some 2,200 growers sold 3,393 tons of sour cherries valued at \$397,159.85; 1,264 tons of sweet cherries valued at \$202,268.95; 1,832 tons of plums valued at \$81,310.42; 2,173 tons of Bartlett pears valued at \$123,775.29 and 4,618 tons of Kieffer pears valued at \$173,014.02 for processing in 1942. This compares with the sale of 3,087 tons of sour cherries value at \$356,122.68; 1,151 tons of sweet cherries valued at \$183,116.27; 1913 tons of plums valued at \$82,958.32; 1,663 tons of Bartlett pears valued at \$92,609.35 and 1,761 tons of Kieffer pears valued at \$59,941.99 for processing in 1941.

The 1942 minimum price for sour cherries at 5¾c per lb., for sweet cherries at 8c per lb., for plums at 2c per lb., for Bartlett pears 2" and up 3c per lb. and 1¾"-2", 2c per lb. and Kieffer pears 2" and up 2c per lb. and 1¾"-2" 1½c per lb. were unchanged from 1941.

Pears, plums and cherries for the wholesale and retail fresh fruit trade are exempt from the plan.

*The Ontario Strawberry Growers' Marketing Board:* As reported for the fiscal year ending March 31st, 1938 there had been under consideration then the establishment of a strawberry marketing scheme with similar aims and objects of negotiating and establishing minimum prices and terms of contract as in the fruit schemes already in operation. Because of the competition of low priced strawberry pulp packed in sugar and in SOI shipped from the Pacific Coast to Ontario processors the Board did not recommend approval of the scheme at that time. Petitions urging the approval of the scheme have since continued without interruption and following the almost unanimously favourable vote by ballot by the growers concerned the Board this year recommended the proposed scheme to the Minister for approval which was subsequently brought in force by Order-in-Council, April 16th, 1942.

Shortly thereafter the customary negotiations between processors and growers were convened and which soon deadlocked on price due largely to the incidence of the price ceiling policy on the jam industry. Growers urged a 12c per quart minimum be set for 1942 and processors offered 8c per quart. In an effort to bring matters to a head the Board stepped in and ordered a minimum price of 10c per quart for all 1942 strawberries processed. Subsequently the Wartime Prices and Trade Board refused to concur in the Ontario Board's 10c per quart price and the Order was withdrawn. The strawberry market was then declared free and open for purchases for processing. During 1942 some 700 growers sold 1,590,584 quarts of strawberries for processing at an average price of 11.35c per quart for a total value of \$180,500.12.

Strawberries for the wholesale and retail fresh fruit trade are exempt from the Scheme.

*The Ontario Seed Corn Growers' Marketing Board:* This marketing group is more limited in both its membership and field of operation than any of the organizations above reviewed. Its membership is comprised of some 15 open pollinated seed corn growers and some 100 hybrid seed corn growers who specialize in the production of registered seed corn. Aims and objects of the scheme are similar to those already discussed except that this marketing plan is not primarily a price scheme. The scheme's purpose is to make the production of registered seed corn sufficiently attractive despite the extra costs of selection and isolation that certain varieties and strains of seed corn will be preserved and maintained. Through negotiation a scale of premiums to the growers for different services rendered is set for the different varieties of registered hybrid seed corn to be paid over and above the prevailing January market prices per bushel for dried commercial corn in each year. Also through negotiation a scale of minimum prices per bushel is set for the different varieties of registered open pollinated seed corn in each year. In 1942 some 201,000 bushels of open pollinated seed corn and 96,000 bushels of hybrid seed corn were produced compared with 148,000 bushels of open pollinated seed corn and 55,000 bushels of hybrid seed corn produced in 1941.

*The Ontario Sugar Beet Growers' Marketing Board:* Following a dispute over price and other conditions of contract for the 1942 sugar beet crop between the processor and growers concerned, and after a vote by ballot of the growers which was almost unanimously favourable, the Board recommended the Ontario Sugar Beet Growers' Marketing Scheme for approval to the Minister which was subsequently brought in force by Order-in-Council, March 12th, 1942. The minimum price and terms of contract aims and objects of the Scheme are similar to those already in operation.

The Negotiating Committee provided for in the Scheme met but failed to reach any agreement. Under such circumstances provision is made for arbitration but the processor failed to appoint its representative to the Board of Arbitration. The Ontario Board then ordered a scale of minimum prices and other conditions of contract for the 1942 sugar beet crop. The price established was \$8.25 per ton for average testing sugar beets (16%), other higher and lower sugar content beets in proportion to an agreed upon graduated scale, on the basis of the ceiling price of \$5.25 per cwt. for refined sugar. Some 3,200 growers sold 244,000 tons of sugar beets for processing with an average sugar content of 15.4% for a total value of approximately \$1,927,600.00 in 1942.

*The Ontario Tomato Growers' Marketing Board:* The minimum price and terms of contract aims and objects of this scheme are similar to those of the other schemes already in operation.

In 1942 some 6,736 tomato growers produced 157,733 tons of tomatoes at a minimum price of \$15.10 per ton for processing having a total value of \$2,374,221.31. This compared with a production of 193,031 tons of tomatoes by 6,230 growers at a minimum price of \$14.10 for processing having a total value of \$2,756,739.79 in 1941.

Tomatoes for the wholesale and retail fresh vegetable trade are exempt from the Scheme.

## GENERAL

With the appointment of the Wartime Prices and Trade Board and particularly following the passing of P.C. 8528 (Dominion) further establishing that Board as the final authority for all commodity prices in Canada the operations of The Farm Products Control Board were necessarily curtailed and its authority limited. This was inevitable under Section 2(3) P.C. 8528 which provides that no properly constituted authority, Dominion or Provincial, by statute or regulation shall fix or approve any specific, maximum or minimum price or mark-up at which any goods or services may be sold, offered for sale, or supplied except with the written concurrence of The Wartime Prices and Trade Board.

The Farm Products Control Board has co-operated with the Wartime Prices and Trade Board in every possible way and was able to obtain concurrence to all its 1942 minimum price Orders with the one exception of strawberries. It should also be recorded in this connection that all of The Farm Products Control Board 1942 Orders provided for increases in minimum prices paid producers for processing crops with the exception of cherries, pears and plums.

More important, however, is that as a result of the maximum price ceiling policy The Farm Products Control Board has found a new field of service through channelling to The Wartime Prices and Trade Board the opinions and needs of those producers with whom the Ontario Board comes in contact.

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## CREDIT UNIONS

The organization of Credit Unions in the Province of Ontario is authorized by "The Credit Unions Act," approved by the Ontario Legislature, 1940. This Act also rescinded The Co-operative Credit Societies Act, 1922, and The Credit Unions Amendment Act, 1939.

Since the approval of The Co-operative Credit Societies Act, 1922, and up to March 31st, 1943, 140 Ontario Credit Unions have been incorporated, of which 129 are in operation, 1 Credit Union has been dissolved, and 10 Credit Unions have had their certificates of incorporation cancelled. During the fiscal year just ended 37 Credit Unions were incorporated.

Credit Union certificates of incorporation have been issued as follows:

1928	1
1929	6
1930	8
1931	8
1935	2
1936	1
1940	51
1941	26
1942	37
TOTAL	140

Credit Union certificates of incorporation have been cancelled as follows:

1937.....	1
1940.....	9
1942.....	1
<b>TOTAL</b>	<b>11</b>

The complete classification of operating Credit Unions as at the close of the last fiscal year is as follows:

<i>Description</i>	<i>Number Operat- ing</i>	<i>Total Assets</i>	<i>No. of Members</i>	<i>No. of Borrow- ers</i>
<b>ASSOCIATIONAL:</b>				
Co-operative	9	\$ 13,323.03	515	143
Labour.....	1	1,263.14	64	11
Racial.....	14	251,288.55	1,733	1,043
Religious.....	27	1,225,447.55	5,757	1,260
<b>OCCUPATIONAL:</b>				
Educational..	3	16,169.76	237	68
<b>GOVERNMENT—</b>				
Federal.....	1	482,546.51	4,297	1,763
Municipal.....	3	166,546.57	1,959	1,265
<b>INDUSTRIAL—</b>				
Cleaners and Dyers.....	1	8,199.67	80	64
Construction Materials.....	1	125.58	26	4
Leather.....	1	1,642.19	43	32
Machine.....	1	19,080.19	188	90
Metals—Iron and Steel.....	5	47,932.10	1,014	352
Other.....	2	3,455.70	336	74
Motor Vehicles.....	1	137,956.31	1,129	577
Paper Boxes.....	1	983.07	80	31
Printing.....	3	24,450.80	315	217
Public Utilities—Electricity.....	3	4,520.06	276	66
Telephone.....	1	20,930.65	617	291
Pulp and Paper.....	2	13,656.94	145	180
Rubber Products.....	1	4,687.58	156	63
Transportation—Railway.....	5	30,474.49	939	351
Street Car and Bus.....	4	27,568.13	589	259
Twine Mills.....	2	65,979.57	406	100
<b>RESIDENTIAL:</b>				
Rural Community.....	18	11,083.73	808	103
Urban Community.....	13	66,148.64	1,690	636
<b>TOTAL</b>	<b>129</b>	<b>\$2,645,460.51</b>	<b>23,699</b>	<b>9,046</b>

Section 46 of The Credit Unions Act requires all Credit Unions organized thereunder to make reports to the Department at least annually, and pursuant to this provision the Inspector of Credit Unions has caused annual returns to be rendered not later than March 1st in each year. These returns consolidated for the last fiscal year reveal a substantial membership and financial growth compared to the same period of a year ago, viz.:

	1941	1942
Credit Unions Operating	93	129
Total Membership	18,670	23,699
Total Number of Borrowers During the Year...	7,991	9,046
Total Share Capital	\$801,913.76	\$987,343.78
Total Deposits	\$1,130,373.49	\$1,315,514.98
Total Amount Loaned During the Year...	\$1,710,696.66	\$1,869,602.53
Total Amount Loaned Since Organization....	\$12,196,827.03	\$11,093,429.56
Total Assets	\$2,193,355.25	\$2,645,460.51
*Total Guarantee Funds	\$197,832.50	\$212,163.01
Total Interest Paid to Depositors	\$26,543.95	\$37,946.60
Total Dividends Paid to Shareholders	\$31,897.90	\$27,270.41

\*Reserve against uncollectible loans and losses. Must be invested in investments authorized by The Trustee Act (Ontario).

Among the outstanding features of the past year was an increase of 5,029 in Credit Union membership, an increase of 1,052 in the number of borrowers, an increase of \$185,400.02 in paid-up shares and of \$185,141.49 in deposits, and an increase of \$452,105.26 in total assets. This substantial progress was made despite necessary wartime dislocations to both the rural and urban population.

In addition to financing the purchase by their members of War Savings Certificates and Victory Bonds in substantial amounts, Ontario Credit Unions have purchased since the declaration of war \$280,050.00 Dominion of Canada War Loan and Victory Bonds out of reserve funds.

A decrease of \$7,627.49 in total dividends paid in 1942 compared with total dividends paid in 1941 is noted, particularly in view of an increase of \$452,105.26 in total assets.

Bad debts charged off during the year totalled \$92.42, or less than 5 1000ths of one per cent of the total amount loaned.

A significant Credit Union development during the year was the incorporation of the Ontario Credit Union League Limited as a league under The Credit Unions Act. At the time the League was organized in 1941 there was no provision permitting its incorporation, and it could operate only as a voluntary association of Credit Unions. At the 1942 session of the Ontario Legislature, however, The Credit Unions Act was amended so as to permit the incorporation of Credit Union leagues, and shortly thereafter the Ontario Credit Union League applied for and obtained a Certificate of Incorporation under section 48 of the Act. As of December 31st, 68 incorporated Credit Unions with a membership of over 12,000 persons were members of the League.

The objects of the League are (1) encouraging and assisting educational and advisory work among Credit Unions; (2) protecting and advancing the interests of Credit Unions which are members thereof; (3) assisting in the auditing and supervision of Credit Unions; (4) developing and publishing for Credit Unions accounting and other forms especially adapted to the conditions and laws of the Province of Ontario; and (5) acting as a central depository for the idle funds of member Credit Unions, and in turn making loans to Credit Unions which temporarily have a loan demand in excess of their assets. In connection with the last named of these objects, the League on December 31st, 1942, although it had been operating only three months, had received from its members \$4,640.00 and made loans aggregating \$3,100.00.

In connection with the fourth object above noted, the Educational Committee of the Ontario Credit Union League during the past year compiled three outstanding Credit Union pamphlets on the history, organization and operation of Credit Unions. The Ontario Department of Agriculture co-operated in the undertaking by printing the pamphlets and making them available for distribution to all directly interested in the Credit Union movement. The pamphlets are entitled: "Credit Unions and the Co-operative Movement," "Outline for Credit Union Study Groups in the Province of Ontario," and "Manual for Credit Union Officers in the Province of Ontario." They will fill a long-felt need in Credit Union extension and organization work, particularly under conditions prevailing in this Province and under the requirements of The Credit Unions Act. The pamphlets are available free in limited quantities either from the Ontario Credit Union League or the Ontario Department of Agriculture.

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## CROPS, SEEDS AND WEEDS BRANCH

### SEED CLEANING PLANTS

Ninety-four seed cleaning plants which have been subsidized by the Department of Agriculture through this Branch to the extent of \$250.00 each, made a definite contribution to crop and food production by cleaning the following quantities of seed during the year—Grains 1,041,212 bushels; Forage crop seeds 4,484,569 pounds; farmers served 15,368. Grants were paid on five new plants including a portable plant in Sudbury District.

### LIME SUBVENTION POLICY

Assistance was given by this Branch with the payment of freight on 68 cars of agricultural limestone purchased for application to the soil to correct soil acidity. Under this policy railway companies reduce the freight on carload shipments by 25% and the Department of Agriculture through this Branch pays 50% of the remaining amount not to exceed \$100 per ton. Limestone must be satisfactory chemically and physically. Total tonnage on which freight was paid — 2,570. Total expenditure \$1,996.72.

### ADMINISTRATION OF WEED CONTROL ACT

Nine hundred and seventy-nine Municipal Weed Inspectors were appointed by Municipalities and seven District Weed Inspectors appointed by the Department of Agriculture assisted in the administration of The Weed Control Act throughout the province. A cut in the road subsidy to Municipalities during the early summer months, and the problem of obtaining labour for weed cutting made it impossible in many instances to get help to give weeds attention at the proper time.

A fieldman was appointed to closely watch the Dodder situation in Glengarry county.

Field Bindweed, Perennial Sow Thistle, Wild Carrot, Chicory, Bladder Campion, Hawkweeds and Twitch Grass are considered to be our worst weeds.

Certain weeds of recent introduction such as Yellow Goat's Beard, Hoary Cress, Spurges and Bedstraw appear to be on the increase.

### THE USE OF CHEMICALS IN WEED CONTROL

Approximately 1,500,000 pounds of Stephen Weed Killer were used in the province in 1942. This is an increase of 10% over the quantity used in the previous year. Doubtless more would have been used had not subsidies for road maintenance been cut. Several sprayers were purchased by Municipalities which are adopting this method of weed eradication on roads in order to get effective work done with less labour.

A number of spraying demonstrations were carried on during the season on such weeds as Field Bindweed, Poison Ivy, Perennial Sow Thistle, Leafy Spurge, Cyprus Spurge, Bedstraw, Ragweed, roadside weeds and brush. Assistance was given Municipalities and Counties in pooling their chemical requirements, in purchase and care of sprayers and in their spraying operations.

### REGISTRATION OF THRESHING MACHINES

7,945 threshing machines were registered during the year; 5,180 of this number being for hire. Revenue from this source was \$5,180. Included in the list of machines registered were 781 harvester combines. "No Smoking" signs for posting on the machine were issued with each registration certificate. A representative of the Branch took part in the programme at the Annual Convention of The Ontario Brotherhood of Threshermen.

### ONTARIO CROP IMPROVEMENT ASSOCIATION

Two new Crop Improvement Associations were organized during the year making a total of 48 Branch Associations in the Province. Forty seed fairs, seed displays and seed sales were held with a total of 1,293 exhibitors and 3,337 entries.

It was believed advisable to co-ordinate the field crop improvement work being conducted in the province and a Committee was appointed during the year to give consideration to this matter and prepare a programme for the guidance of Associations and a decision was made to divide the work into two categories, "fact finding projects" which should be undertaken by Agricultural Research Institutions and "demonstration projects" which might be carried on by Crop Improvement Associations. Suggested projects were prepared for the guidance of Associations.

The following is a brief summary of the number of Branches which undertook various types of projects, co-operators who assisted with projects on their own farms and acreage involved:—Total number of Co-operators—1,080. Total acreage under projects—1,995.

Cereal variety tests	23	Associations
Cereal variety and fertilizer tests	11	"
Introduction of seed of recommended varieties	9	"
Hybrid corn tests	22	"
Potato variety tests	11	"
Fertilizer and lime tests	10	"



Hay and pasture mixtures .....	12	"
Pasture improvement and projects.....	7	"
Renovation of unplowable pastures.....	1	"
Summer pastures.....	16	"
Tripod curing of hay.....	2	"
Methods and rates of seeding various crops.....	1	"
Soy bean tests.....	12	"
Field crop competitions.....	3	"
Weed control demonstrations.....	1	"
Assistance to Boys' Grain and Potato Clubs.....	7	"
Miscellaneous projects.....	20	"

The Annual Convention of the Ontario Crop Improvement Association held at the King Edward Hotel, Toronto, February 8-10 was again a real success. Copies of the addresses were printed in bulletin form for distribution. The seed display held in conjunction with the convention was also successful, the samples entered being representative of the following quantities of seed for sale—

Seed grain and corn.....	76,454 bushels.
Clover and grass seed.....	6,050 pounds.

1,500 copies of lists of seeds for sale have been distributed.

### POTATO IMPROVEMENT

In order to test the suitability of Ontario certified seed potatoes under a wide range of conditions, 100 pound samples of Katahdin and Chippewa varieties (2-100 pound lots) express prepaid were sent to each of the following experimental stations in United States:—Alabama, Colorado, Indiana, North Dakota, Minnesota, Wisconsin, New York, Louisiana and Iowa. Reports received indicated favourable results and enquiries for several carloads of certified seed were received. Timely advice was constantly given throughout the year as to cultural methods and other phases of potato production and marketing. Assistance was given in locating seed, bags and other potato supplies for growers and dealers. Special attention was given to the transportation problem, and the Fieldman acted between the growers, truckers and service administration in granting of permits to trucks beyond the 35 mile limit.

A full day of the Ontario Crop Improvement Association convention was given over to a potato meeting which included a noon luncheon. There was a good attendance with much helpful advice and discussion. Special potato displays featured the entire week of agricultural meetings and much seed was advertised; the demand being greater than the supply.

Plans were made to control Bacterial Ring Rot disease, and to undertake a Provincial Potato Improvement programme.

On December 31st, J. T. Cassin retired as Fieldman and was succeeded by R. E. Goodin, B.S.A., who was transferred from Port Arthur where he had been located for six years as Marketing Representative for Northwestern Ontario under the Co-operation and Markets Branch.

### PURCHASE OF SEED GRAIN FOR NORTHERN ONTARIO

This Branch had charge of the purchase of seed grain for Northern Ontario. All seed purchased was graded in accordance with the Canada Seeds Act. Distribution of seed was taken care of by Agricultural Representatives in their

respective districts. The following is a brief statement of number of settlers who received seed and expenditure involved: —

Potatoes	10,723 bags.
Number of settlers given seed	925
Cost of seed grain	\$19,612.03
Cost of distribution	\$ 2,423.61
Total cost	\$22,035.64
Amount of cash received	\$ 7,090.35

### GRAIN AND POTATO CLUBS

This Branch in co-operation with the Plant Products Division of the Dominion Government each pay \$1.00 per entry shown on achievement up to a maximum of \$20.00 from each Department providing a sponsoring organization will pay \$1.00 per entry. Show ribbons for the awards are also supplied and assistance given in providing prize money for Provincial Inter-club Competition. Expenditure during the year amounted to \$846.20.

### GENERAL CROP IMPROVEMENT PROGRAMME

Seed Fair grants were paid to the Ottawa Valley Seed Growers' Association, The Quinte Seed Growers' Association, The Oxford County Seed Fair, The Ontario Brotherhood of Threshermen and the Eastern Ontario Brotherhood of Threshermen.

A representative of the Branch assisted with the administration of The Fertilizer Subvention Policy in the province.

The Director served on the Dominion-Provincial Committee on Increased Production of Field Root and Garden Vegetable Seed. Accounts for one-half the cost of seed and seed roots purchased by the Committee were paid by this Branch. Forty-nine thousand three hundred and ninety-five pounds of field root and garden vegetable seeds were grown under contract with 34 growers. The kinds included beets, tomatoes, beans, cucumbers, spinach, radish and mangels.

Every effort was made during the year to assist buyer and seller of seed in locating and disposing of surpluses. Lists of seed for sale were prepared from time to time and given wide distribution.

A representative of the Branch was appointed Chairman of The Ontario Seed Committee, Canadian Aid to Russia Fund, also to the National Seed Committee and assisted in the campaign to obtain seed for Russian farmers.

Tests with seed treaters were continued during the year with a view to improving the efficiency of the various machines being offered.

Crop, seed and weed meetings and demonstrations were held in fields, halls and seed cleaning plants. These were attended by a representative of our Branch.

Timely news articles on crop production, seed cleaning, weed control, etc. were forwarded to the press from time to time.

Twenty-five hundred Smut Posters were printed and distributed to seed cleaning plants, seed dealers, feed stores, etc.

The Branch co-operated with York County Crop Improvement Association in a Barberry Eradication Campaign. Our sprayer was used, assistance was given with the purchase of chemicals and one of our men supervised the spraying of Barberry shrubs in the Newmarket area.

A representative of the Branch acted as Secretary-treasurer of The Ontario Crop Improvement Association. The duties in connection with this office are becoming greater each year as the organization grows.

Fifteen thousand reports of the general meeting of the Ontario Crop Improvement Association and 10,000 reports of the Potato Meeting were printed and distributed.

In addition to the activities of members of our Branch our work included regular office routine, assistance on various committees, judging field crop competitions, judging at Fall Fairs and Seed Fairs, distribution of various mimeographed articles, pamphlets and bulletins in connection with crops, seeds and weeds, and assistance with a general crop improvement programme through the province.

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## PROVINCIAL ENTOMOLOGIST

The Provincial Entomologist, in addition to his regular duties, has been appointed Acting Head of the Entomological Department of the Ontario Agricultural College.

### RESEARCH AND EXPERIMENTAL WORK

By reason of the heavy extension and regulatory duties of the Provincial Entomologist, who is without official assistants, research and experimental work, under his guidance, is carried on largely by the staff of the Entomological Department of the Ontario Agricultural College.

### EXTENSION

#### *Spray Service Supervision*

As in previous years, this work was continued in co-operation with the Department of Botany of the Ontario Agricultural College. Spray service circulars with directions for each application were prepared and sent at the proper times to all commercial orcharding areas of Ontario outside the Niagara Peninsula.

#### *Japanese Beetle*

Work on this insect is given in the report of the Department of Entomology, Ontario Agricultural College. Active participation in the control and survey programs for this insect is carried on by the Provincial Entomologist co-operatively with the Dominion Department of Agriculture, the Ontario Fruit Branch and the college Department of Entomology.

### *Personal Visits*

These were reduced in 1942 to a minimum consistent with obtaining first-hand knowledge of insect conditions pertaining to major crops throughout the province.

### *Miscellaneous*

Fruit, vegetable and sugar beet growers' and gardeners' meetings were addressed on timely topics in many parts of the province throughout the year.

Press bulletins were prepared on insects of especial importance and sent to the newspapers and agricultural representatives.

The information on insect pests of raspberries and blackberries and also of strawberries was brought up to date in connection with the revision of bulletins dealing with these crops by the Vineland Experimental Farm.

Monthly reports were again prepared in connection with insect pests generally throughout the province, for the Statistics and Publications Branch.

Co-operative extension work was carried on with the Dominion Field Crop and Garden Insects Investigations personnel in connection with white grub control. Control circulars and forecast circulars were prepared jointly and distributed to the agricultural representatives during the spring of 1942.

A control circular for tobacco cutworms was prepared jointly with the same Dominion group, embodying suggestions made necessary through the complete lack of molasses for inclusion in cutworm baits.

The Ontario Spray Calendars were revised in co-operation with the Botanical Department, Ontario Agricultural College, and the Dominion Department of Agriculture. These revisions are made annually on the basis of experimental results and orchard observations obtained during the year.

Considerable work in co-operation with the Pesticides Requirements Committee of the Dominion Department of Agriculture has been necessitated through the effect of war conditions upon available insecticide supplies.

Heavy correspondence at all times throughout the year occupied considerable time.

## REGULATORY DUTIES

These involve the supervision and enforcement of the regulations under the Plant Diseases Act. They chiefly pertain to corn borer, peach yellow and little peach, "X" disease of peach, Oriental fruit moth, nursery stock fumigation, apple maggot, sugar beet nematode and black knot. Considerable time is spent by at least one member of the staff of the Entomological Department of the Ontario Agricultural College in assisting with the regulatory duties of the Provincial Entomologist.

### *European Corn Borer*

One hundred and two inspectors and assistant inspectors were required during the spring of 1942 for the enforcement of corn borer clean-up regulations. Twenty-one counties and Pelee Island comprised the territory from Essex to Northumberland, in which the clean-up regulations were in force. In contrast

with previous years no fall inspection was made in 1942. While the regulation dealing with corn stubble was modified to exempt short stubble, most of the stubble was well cleaned up despite the acute shortage of help on Ontario farms.

In comparison with 1941, stalk infestation by corn borer in field corn was reduced in 1942 in all but four of the counties where clean-up regulations are in effect. Damage to early sweet corn was noticeable in parts of the clean-up area but probably no heavier than in 1941. Canning factory sweet corn was considerably less heavily infested than in 1941.

### *Peach Yellows and Little Peach*

Thirteen inspectors were appointed in eleven municipalities for the enforcement of regulations in connection with these two diseases. Between eight and nine hundred thousand peach and plum trees were examined. A reduction in the number of trees which had to be destroyed because of "peach yellows" infection occurred in 1942. There was an even larger decrease in the percentage of trees having "little peach" infection.

### *"X" Disease or Red Virosis of Peach*

As in 1941, the regulation requiring the destruction of choke-cherries within 500 feet of peach orchards was enforced by the same inspection staff which was appointed for peach yellows and little peach regulation enforcement. The township of Saltfleet and the town of Stoney Creek again showed by far the largest numbers of trees marked for "X" disease in 1942. The total number of trees in the Niagara Peninsula showing "X" disease infection was reduced to 28 per cent. of that occurring in 1941.

### *Oriental Fruit Moth*

The sterilization of peach containers and the treatment of peach refuse to destroy any larvae or pupae present was enforced again in 1942. In a number of cases peach pits were sold by the canning factories to commercial concerns for war purposes.

### *Nursery Stock Fumigation*

This regulation was implemented to about the same extent as in 1941, thus indicating that approximately the same amount of nursery stock was shipped to Nova Scotia during the year.

### *Apple Maggot*

Because of an acute shortage of personnel, it was impossible in 1942 to continue the summer inspection of surroundings of registered orchards and also spray applications for apple maggot control in such orchards. Though previously considered impracticable, at the request of the Federal Apple Maggot Advisory Committee, a pre-harvest inspection was made of ten per cent. of the orchards on the 1941 inspection lists. This inspection was carried out by members of the Provincial Fruit Branch and the Provincial Entomologist, with assistance from some members of the Fruit and Vegetable Division, the Plant Protection Division and the Division of Entomology of the Dominion Department of Agriculture.

Allowing for the discrepancies which occur in this method of sampling, it is probable that a slight increase in the percentage of infested orchards did

occur. This increase is attributable to seasonal conditions which were somewhat more favourable for the insect in 1942, and also to the fact that some growers did not apply the proper number of spray applications for the control of the maggot.

### *Sugar Beet Nematode*

To date a total of 18 fields in the "precautionary area" have been found to be infected with *Heterodera schachtii*. Only the Chatham sugar factory was operated in 1942 and thus beets were shipped to this factory in railroad cars which were washed out before returning or being used for other freight. All wash water at this factory is disposed of in a settling basin where destruction of the nematode cysts occurs through heating and decomposition.

The production of beet seed and stecklings is no longer permitted anywhere within the "precautionary area". Thus the danger of transporting this infection from place to place on sugar beet seed is avoided.

The reports of the inspector appointed in the autumn of 1942 indicate good compliance with the regulations.

### *Black Knot*

Inspection for this disease was continued along similar lines to previous years. Outside the Niagara Peninsula there are two municipalities appointing inspectors for the enforcement of this regulation. Commercial plum and cherry orchards are largely free from this disease.

## DEMONSTRATION FARM, NEW LISKEARD

The growing season of 1942 was the dryest in many years, consequently yields were reduced considerably. Harvesting weather was better than average.

### *Weather for Growing Seasons 1912-1941*

Month	Days	Rainfall		Sunshine		Temperature		1942	1941	1942	1941
		1942	1941	Inches	Hours	Maximum	Minimum				
May	10	7	1.97	1.78	117.5	187.2	88	92	21	21	
June	1	8	1.02	1.59	172.9	193.	88	91	32	35	
July...	9	11	2.13	1.02	189.6	175.	95	90	38	40	
August	7	15	1.27	3.55	133.6	158.9	88	83	32	35	
September.	13	11	1.02	3.05	146.	123.	87	86	28	26	
October..	8	12	1.14	1.22	127.	157.	75	68	21	13	

### *Seasonal Notes*

1942		1941		
May	1	Commenced work on land	May	2
	5	First grain sown		3
	18	Turned cattle on pasture		13
June	5	Finished seeding		17
	25	Started to cut hay	June	26
July	17	Finished haying	July	26

	17	Filled silo.....	August..	27
August	1	Started to cut grain.....		7
	12	Cut second crop of alfalfa .....		20
	24	Finished cutting grain.....	September.	8
September.	29	Harvested vegetables and potatoes		20
October.....	24	Finished ploughing.....	October.....	20
	27	Cattle brought in for winter .....		10

## FIELD HUSBANDRY

### *Grain*

All grain sown was treated with Ceresan. There was practically no injury from smut or rust and quality of grain was good. The clover and alfalfa seed sown was treated with Nitro Nox legume. There was an excellent catch despite dry weather.

The fall wheat winter killed considerably. Part of this field was sown to O.A.C. 21 Barley. We harvested a good crop of mixed grain (wheat and barley).

### *Hay*

The yield was fair and quality good. Alfalfa has proved to be a reliable crop and is adding considerable to the quantity and feeding value of our hay.

### *Ensilage*

Canning factory pea straw was the main crop ensiled and has proven to be satisfactory. Hybrid corn was grown for the first time. The yield and quality of this ensilage was good. Tests will be continued.

### *Pasture*

Sweet clover was again used to supplement the permanent pastures but could not be ploughed down for fall wheat as the ground was too dry and hard. Permanent pastures were very poor owing to lack of rain.

### *Peas*

Canning factory peas yielded approximately \$45 per acre. This crop is gaining in popularity as a cash crop.

### *Corn*

Hybrid corn was grown for the first time and the following results indicate that this crop has possibilities as an ensilage crop.

#### *Hybrid Corn*

<i>Variety</i>	<i>Date Planted</i>	<i>Yield Per Acre</i>	<i>Date Cut</i>
Wisconsin 335.....	May 30	25 tons	September 8
Wisconsin 275.....	May 30	18½ tons	September 8
Wisconsin 279.....	May 30	17½ tons	September 8
Seed obtained in Southern Ontario .....	May 30	16½ tons	September 8

*Crops Under Test*

<i>Variety</i>	<i>Acres</i>	<i>Yield</i>	<i>Days of Maturity</i>
Cartier Oats	6	371 bushels	85 days
Ajax Oats	2	71 bushels	85 days
Vanguard Oats	6	279 bushels	95 days
Erban Oats	10	365 bushels	87 days
Mabel Oats	3	50 bushels	84 days
Dasix Oats	3 <sup>1</sup> / <sub>2</sub>	77 bushels	87 days
O.A.C. 21 Barley	5	162 bushels	83 days
No Barb Barley	4	123 bushels	90 days
Oli Barley	2	29 bushels	75 days
Byng Barley	1	18 bushels	87 days
Plush Barley	2	51 <sup>1</sup> / <sub>2</sub> bushels	91 days
Regent Wheat	3	59 bushels	97 days
Reward Wheat	2 <sup>1</sup> / <sub>2</sub>	45 bushels	97 days
Mixed Grain	5	225 bushels	86 days
(Erban Oats and No Barb Barley)			
Mixed Grain	17	540 bushels	August 7 (date cut)
(Fall Wheat—Dawson Golden Chaff and O.A.C. 21 Barley)			

N.B.—Some varieties were on slightly poorer soil.

## LIVESTOCK AND POULTRY

The livestock breeding work has been carried on much the same as usual. Chiefly supplying foundation stock to settlers, assisting farmers in the purchase of stock from other districts and demonstrating proper care and management of herds and flocks.

The Annual Auction Sale was held on August 5th. There was a good attendance. The demand for bulls and swine was keen.

*Horses*

The usual number were kept on the Farm. Our brood mare raised another healthy foal. The mare was fed potassium iodide during winter and was inoculated for Joint III. One stallion was sold for breeding.

*Cattle*

The Shorthorn herd has been increased to approximately forty-five head. Six R.O.P. records were completed during the year. We have a number of promising heifers.

Five bulls and one cow were sold for breeding purposes. One bull and two females were sent to the butcher.

*Swine*

Six brood sows were kept this year. Four raised two litters averaging seven young pigs per sow. All young pigs were fed Ferris Sulphate as a preventative for anemia with excellent results. It has been found necessary to treat all young pigs for internal parasites.

The wintering of breeding stock in an outside hut, feeding grain in self feeders and clover on the snow, has proven satisfactory. This practice reduces the cost of labour and housing as well as keeping the sows in better health.



Twenty-four boars and thirty-nine sows were sold for breeding, and eight pigs were sold for meat. One boar was purchased.

### *Sheep*

The sheep have been increased to a flock of thirty-nine, twenty-seven purebred ewes and twelve grades. The purebreds supply breeding stock for settlers. The grades are used to demonstrate the probable improvement, when a purebred ram of the same breed is used consistently. The grade flock is divided into three groups and three breeds of rams are used.

Nine rams sold for breeding and five grade wethers were exhibited at Lamb Fair and sold for \$55.22.

### *Poultry.*

Approximately 500 pullets were put in the laying pens, culling was practised throughout the winter. The flock consisted of Barred Plymouth Rocks, New Hampshire Reds and a cross of the two. The Plymouth Rocks had the highest egg production.

The demand for poultry and hatching eggs has materially increased. Only Barred Plymouth Rock eggs are being set this year. Custom hatching will be carried on this spring.

Our breeding pens of Barred Plymouth Rocks averaged seventy-nine per cent production in January, February, March and are hatching 74-83%.

Poultry is our most lucrative division.

## HORTICULTURE

Farmers were assisted in laying out grounds and encouraged to plant trees around their buildings. The use of native trees was emphasized. The usual tree planting programme was continued at the Farm. Trees used chiefly were white birch, spruce and cedar.

## DEMONSTRATIONS

### *Rotations*

The five year rotation — two years hay, 1 year pasture and two spring grain is proving quite satisfactory. The land is increasing in fertility and is freer from weeds. Artificial fertilizer is applied on grain crop when seeding down. Manure is put on second year hay. A comparatively small acreage is sown to hoe crop on Northern Ontario farms, thus it has been found more satisfactory to establish a three year rotation in a suitable field, (grain, hay, hoe crop).

### *Clipping Clover for Seed*

Farmers are encouraged to harvest more clover seed and to clip the field.

Two acres of Red Clover were clipped June 15th yielding approximately one ton of high protein feed. This was cured on tripods. On September 15th 438 lbs. of No. 1 seed and 31 lbs. of No. 2 seed was combined. Clipping produces cleaner, better quality seed and usually increases the yield.

### *Curing of Hay*

Tripoding of early cut hay is growing in popularity since proteins have become expensive and scarce. Twenty-eight acres of same were put on tripods in 1942 and a second cutting was harvested from this field in August.

The results obtained from curing hay on tripods during the past few years have convinced us that most Northern Ontario Farmers should practice harvesting part of their hay by this method. Haying can be started earlier thus utilizing available help to better advantage. A much higher protein feed is produced.

### *Pasture*

Sweet Clover and aftermath of early and late cut hay are being used satisfactorily to bridge any pasture shortages during the summer.

### *Value of Milk and Clover in Hog and Poultry Feeding*

The pasturing of hogs on clover supplemented by homegrown grain and buttermilk has been continued with satisfactory results.

The poultry are put on a clover range at about eight weeks of age, at ten weeks their ration is gradually changed from growing mash to crushed wheat, oats and barley, reinforced with bonemeal and buttermilk. Pullets raised in this manner are slower developing but grow to be large, rugged hens. Their production has been excellent as indicated in poultry report.

This method of raising hogs and poultry reduces the cost of feed and labour materially.

### *Reinforcing Manure*

The practice of reinforcing manure with stablephos has been continued. The manure piles are higher in moisture, better rotted and there is less burning. More stablephos should be used throughout the District. It can be applied without expensive machinery and most of the soil is deficient in phosphorous.

### *Manure*

The piling of winter manure in large well tramped piles in the fields and spread after haying the following summer or early Fall has helped to kill weeds, conserve the quality of the manure and fits very well into our labour programme.

### *Potatoes*

Demonstration potato rotation plots have been continued and we anticipate having some results to publish next year.

### *Plowing*

The system of permanent dead furrows is being continued. This makes possible the rounding of the lands, thus a more efficient system of drainage.

### *Straw Sheep Shed*

The use of the straw sheep shed has proven to be very satisfactory. The flock has wintered in a healthy condition and it has demonstrated a cheap and easily constructed winter quarters for sheep.

## ADDITIONS AND IMPROVEMENTS

The house moved from the Getty property has been remodelled and made into suitable living quarters for the herdsman.

The building formally used as a bunk house for the hired help was remodelled and is now used as an office. Previously the office was in the Superintendent's residence.

## GENERAL EXTENSION

Thirty farmers' meetings were attended. The Superintendent judged at eight Fairs and seven Field Crop Competitions.

Ten organizations or groups visited the Farm.

## SUMMARY

More farmers are acquainting themselves with the activities the Farm. A keen interest is being taken in new varieties of grain.

There was an increased number of visitors seeking information and the correspondence regarding agricultural problems was practically doubled in 1942.

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## FARM SERVICE FORCE

The Winter and Spring of 1941-42 gave promise that the year 1942 would be the most serious one since the beginning of the war, from the standpoint of Farm Labour. Indications were that crops of all kinds would be very heavy and in some cases record crops. The tempo of enlistments in the armed services was speeded up, more and more munitions plants were coming into production and Canada undertook a heavier programme of food production for Great Britain. Canada's shipment of eggs for the year was raised from 30,000,000 dozen to 45,000,000 dozen. Bacon from 425,000,000 lbs. to 600,000,000 lbs. Cheese from 112,000,000 lbs. to 175,000,000 lbs. Canners were urged to increase, as far as possible, the pack of tomatoes, fruit and vegetables, and in other lines large increases were called for.

## SURVEY OF NEED

In order to get a picture of the farm labour resources that Ontario possessed for her share of this task and to arouse public opinion to the need for the greater effort needed to discover, enlist and train help from every source that could be drawn on, a very thorough survey of labour, livestock, farm crops and machinery was undertaken by the Ontario Department of Agriculture.

Through the Agricultural Representatives and with the co-operation of County Agricultural War Production Committees, 131,000 farmers in Ontario, through survey forms, were given the opportunity of stating their situation in regard to the four above stated factors. 64,157 forms were completed — nearly 50% of the forms distributed.

Here are some of the facts revealed:

- (1) *Age of Farm Operators (40 counties) in Ontario.*  
 24% of all operators are over 60 years of age.  
 25% of all operators are from 50 to 60 years of age.  
 51% of all operators are under 50 years of age.  
 Average of all operators 19.1 years.  
 North Simcoe average age 15, Carleton County 51 years.
- (2) *Farm Labour 1941.*  
 There were 100,000 farm hands in Ontario.  
 22% were hired by the year.  
 27% were hired by the month.  
 51% were hired by the day.
- (3) *27,288 Farm Hands have left the farm since War started.*  
 6,276 or 23% have enlisted.  
 9,278 or 31% have gone into War Industries.  
 11,734 or 53% have gone elsewhere.
- (4) 38,041 reports from 31 counties showed that:  
 6,818 farmers or 18% of total farm help when surveyed.  
 12,551 farmers or 33% of total had adequate help in family.  
 18,612 farmers or 49% of total were without adequate help.
- (5) *More than 51,000 additional farm labourers* were listed as required in 1942, exclusive of berry pickers and tobacco workers (of whom 3,750 were imported from Southern United States in 1942.)
- (6) 42% of farmers had insufficient help to maintain production.  
 22% of farmers could increase production if help were available.  
 59% said women were helping more than in peacetime.  
 20% stated that exchange work system was markedly on the increase.

#### *Number of Farm Workers, 1931 and 1941*

	1931	1941	Decrease	%
Number of occupied farms.....		179,188		—
Total number working on farm	129,781	308,567	121,217	28.2
Members of Operator's family	281,361	232,328	49,036	17.5
Year round help	25,276	18,675	6,601	26.1
Monthly help		23,712		
Day help	123,111	33,822	65,580	53.22

Here, then, was a fairly accurate picture of the serious situation in farm labour which had to be faced in the Spring of 1942.

#### THE PLAN OF CAMPAIGN

The Ontario Interdepartmental Committee (Agriculture, Education and Labour) on Farm Labour Service is the Government charged with the responsibility of recruiting help for the farmers. It is administered by the Department of Agriculture under the Chairmanship of the Minister of Agriculture. The Committee had had one year's experience of working through the Ontario Farm Service Force, during which, with an objective of 10,000 helpers for the farmer, it had registered 23,041. It was decided to carry on and develop the Force along the same lines.

The Force was organized with its Headquarters in the Parliament Buildings, Toronto, with a Director, Supervisor of Boy's and Men's work, Supervisor of Girls' and Women's work and Office Manager, together with an Office Staff of seven secretaries and stenographers.

The Field Staff consisted of twelve Men Placement Officers, each in charge of a district, and three or four counties, two Placement Officers in charge of Japanese Camps, and three Women Placement Officers.

*The duties of the Field Staff were*

- (1) To secure applications from farmers for help.
- (2) To investigate applicants to determine suitability.
- (3) To visit schools, employment offices, Towns, etc., to recruit helpers and interview them as to suitability.
- (4) Place these Farm Service Volunteers in suitable jobs on farms, in camps, or otherwise as the situation demanded.
- (5) Maintain supervision of placement to adjust difficulties in hours, wages, personality, exploitation, etc.

## THE ONTARIO FARM SERVICE FORCE

The Force consists of all those from 12 years of age up to 85 or more who are willing and able to help relieve the farm labour situation and who can give any time from a few evenings a week up to 12 months continuous service. It is made up of all kinds from inexperienced to fully experienced men and women. The members of the Force are known as Farm Service Volunteers.

The basis of the appeal to boys, girls, men and women, to join the Ontario Farm Service Force is that of Patriotic National Service. It is necessary to recognize that men cannot fight without tools and food. This basic fact is receiving increasing recognition in Canada and United States and farming is now being recognized as an essential war industry.

The Force is divided into seven Brigades as follows:

1. *The Children's Brigade*.—Enrolls all children over 12 years (boys up to 14 or 15 years and girls to 16 years of age.) The members of this Brigade work on their own farm, or neighbour's farms, with relatives or farmers known to and approved of by the parents — or they live at home and go out day-by-day to nearby farms to do light work such as berry picking, etc.

Members of all six Brigades work in one or other of the following ways:

- (1) Live and work on individual farms as individuals.
- (2) Live in small private camps on individual farms (10 to 40 in a camp) and all work on the same farm.
- (3) Live in large Government camps (40 to 100 in each camp). Girls under supervision of the Y.W.C.A. and boys under Y.M.C.A. These workers are taken out, in twos or more each morning to neighbouring farms and are brought back each evening. They take a lunch with them.
- (4) Live at home and are taken out day-by-day by farmers who require their services and are brought back each evening.
- (5) Work in Canneries, live at home or board away from home.

2. *The Farm Cadet Brigade*.—Enrolls all young men from 15 years of age up to military age and any of military age who have been rejected for any of the services and who are prepared to work on the farm. Their chief work is seasonal work on mixed and dairy farms. It will also enroll all male teachers.

3. *The Farmerette Brigade.*—Enrolls all young women 16 years of age and upwards in School, College, University or other educational institutions and Women teachers in these institutions. Their chief work is fruit, vegetable and truck farming.

4. *The Women's Land Brigade.*—Enrolls all young women who are not in educational institutions and who volunteer for Farm Service. This Brigade emphasizes mixed farming and year round service.

5. *The Farm Girls Brigade.*—Enrolls all farm young women up to 26 years of age, not in school or college, who undertake to help in various ways with farm operations.

6. *The Holiday Service Brigade.*—Enrolls all (men or women) who are prepared to give from a week up to two or three months of their holidays (away from their regular occupation) to service on the farm — either helping in the farm home and so relieving some farm women for outside work, or helping in regular farm work.

7. *The Farm Commando Brigade.*—Enrolls all who, unable to leave home, are willing to give evenings, half a day a week, or one whole day a week to go out to help some nearby farmer and return home at night.

8. *Day-By-Day Work.*—This form of work is conducted in suburban truck farming areas. Farmers come to a pre-arranged place on the outskirts of the city and pick up their help in the morning and return it to the same spot at night. It draws its help from all Brigades of the Force and is supervised by the Farm Service Force.

Attention should be called to the fact that our general publicity (in addition to the thousands who have enrolled in the Force) has created throughout Ontario a consciousness of the food problem that has brought hundreds, if not thousands, into participation in the programme that are not recorded in our registration. In addition to that no record is given of the number directly placed by County Agricultural Representatives.

It will be seen from the above, that Ontario has a large well organized Food Production or Land Army.

## CO-OPERATION

The Department of Education has made it possible for large numbers of Entrance Class and Secondary School pupils to participate in the programme for a period of thirteen weeks or more. Regulations were drawn up permitting Secondary School Pupils with a 50% standing in their year's work to leave school after the Easter Examinations without losing their year's standing in Departmental Examinations, provided they worked on farms for at least thirteen weeks.

It was also arranged for pupils in Entrance Class to be given their Entrance Certificate under the same conditions.

The Dominion Department of Labour also co-operated in this work to the extent of duplicating the grant of the Ontario Government for Farm Labour Service.

Voluntary agencies co-operating with the Ontario Farm Service Force include:

(1) The National Council Y.W.C.A. which undertook the supervision and staffing of all Government camps for girls. They looked after food, discipline, housing, recreation, health of the Camp.

(2) The National Council Y.M.C.A. undertook the supervision of Government Boys' Camps for discipline, recreation etc.

(3) The churches through their Boards, circularized all their churches in Ontario challenging all to do their part in the work.

(4) The Red Cross Society co-operated in finding, training and supervising cook-supervisors for our Private Camps.

(5) Urban Boards of Education, School Supervisors, Inspectors and Teachers co-operated many of them to the extent of having close to 100% of their pupils working on farms.

Agricultural Representatives of the Department of Agriculture and Managers of Employment Offices have also co-operated heartily with our field staff.

### SPECIAL EFFORTS

As the canning season approached it looked as though Canning Factories were going to be far short of enough hired help to run at capacity. At the request of the Wartime Prices and Trade Board, the Ontario Farm Service Force planned a programme of publicity to appeal to women folk resident in the communities where canning factories were established but who ordinarily do not go out of their homes to work. This publicity covered all newspapers from Belleville west, along the St. Lawrence and around the Lakes to Windsor. Display Ads, readers and editorials were liberally used. Nine Radio Stations carried three spot announcements per day for twelve days. It is estimated that at least 1,500 women were encouraged to offer their services. In one small centre 50 women, including a Women's Bridge club in a body, offered their services within two days.

As September 22nd, the opening day of Secondary Schools approached, it appeared that hundreds of students were going to be lost to the Canning Industry. Hon. Duncan McArthur, Minister of Education was interviewed and his co-operation solicited. He wired to every Board of Education in Canning Factory Communities, threatened with loss of labour by the opening of the Secondary Schools, urging that schools be kept closed until October 5th to 10th. Officers of the Ontario Farm Service Force addressed Boards of Education, phoned school supervisors and Principals and wired many others. This activity resulted in many schools being kept closed. In some cases where schools opened on September 22nd, principals and teachers enlisted students for an additional period of two or three weeks work after school opening.

The 1942 season saw a record crop of grapes. The Wartime Prices and Trade Board worked to increase the market for basket grapes but there still seemed to be a surplus of 11,000 tons of grapes to be taken care of. A plan for some of the Grape Wineries in Niagara Peninsula to crush the extra grapes and ship the juice in barrels to distilleries was arranged. This plan called for an additional 300 men workers. The Ontario Farm Service Force was given 10 days to line these men up and accomplished the task on time.

THE SUGAR BEET GROWERS' ASSOCIATION and THE DOMINION SUGAR REFINING CO. in April were faced with the necessity of finding 500 extra men for sugar beet work. The Department of Agriculture was appealed to and the Ontario Farm Service Force given the task of securing sites, buildings, etc. for nine camps to accommodate 500 Japanese. After a great deal of negotiation conducted in a very short time, the Camps were set up at Valetta, Essex, Chatham, Dover Centre, Wallaceburg, Dresden, Glencoe, Centralia and Petrolia. The largest number of Japanese that could be secured was 372. The Japanese men served from May until November and gave splendid satisfaction.

In many cases the worst hit sections of Ontario, in respect to Farm Labour, were the areas close to some military establishment. As an offset to this labour drain, for which their presence was partly responsible, many Army, and Air Force camps supplied hundreds of men on half days, evenings or weekends for haying, harvest tomato harvesting and canning. The Ontario Farm Service Force was instrumental in organizing this supply of labour for the farm in most cases.

#### REPORT ON VOLUNTEER HELP, April 1 to November 23, 1942

1. <i>Farmerette Brigade</i> .—Girls 15 and over.			
Girls in 16 Government camps		2,303	
Girls in 9 private camps		185	
Girls placed on individual farms		53	
Japanese Beetle Trap attendants		33	
Members of Y. Camp Staffs		170	
Members of Red Cross Camp Staffs		15	
Labour secretaries		29	— 3,088
2. <i>Farm Cadet Brigade</i> .—Boys 15 and over.			
Boys placed in government camps		260	
Boys placed on individual farms		1,691	
Members of Y. Camp Staff		20	
Teachers in Secondary Schools		275	
Members of cooking and care staff		20	— 2,269
3. <i>Women's Land Brigade</i> .—Girls and women outside of educational institutions.			
Workers returning home daily		55	
Placed in Private Homes		19	
Women's Land Brigade Camps		680	
Women and girls, day-by-day work		1,201	
Men and boys, day-by-day work		580	— 2,565
1. <i>Farm Girls Brigade</i>		902	
5. Family placements		61	
6. Holiday Service Brigade		239	
7. Farm Commandos Brigade		12,750	
8. Experienced Help Through Employment Offices		5,500	
9. Secured for Canning Industry		1,500	
10. Japanese Camps		372	
11. Men for Wineries		300	— 21,627
Total Placements			— 29,519
Boys and Girls under 16 and school teachers recorded as working on own, family, or friends' farms of own choice.			9,390
Girls over 16 recorded as working on own or friends' farms, of own choice			7,125
Boys over 15 recorded as working on own or friends' farms of own choice.			8,311 — 24,856
Total voluntary help on farms			51,405



## ORGANIZATION OF GOVERNMENT CAMPS FOR GIRLS AND BOYS

Government Camps are organized mainly in fruit or vegetable sections where a large number of workers are needed in small area. If in any section 40 to 100 workers are needed for a period of at least two months, the Government is prepared to meet with the growers in that section to arrange for a Camp.

The National Councils of Y.W.C.A. and Y.M.C.A. were invited to co-operate in selecting sites and to provide supervision of the camps for boys and girls respectively. Under their supervision questions of discipline, health, recreation and feeding were handled. In each camp a Boys' Camp Council or Girls' Camp Council was elected by the campers to co-operate with the camp officers in running the camp in a democratic way.

Each Girls' Camp had a staff of Director, Assistant Director and three Camp Assistants in a camp of 60 girls. There was also in each camp, a young woman Labour Secretary who was responsible for seeing that every girl was kept employed every day as far as possible. Girls were called for each morning between 7.30 and 8.00 a.m. They took lunch with them to eat at the farm. Farmers brought the girls back to camp about 5.30 or 6.00 p.m.

Boys' Camps had a staff of women to cook and serve meals and supervise the cleanliness in Camp. There was also a staff of Director and two or three Counsellors to organize the discipline, recreation and social life in camp.

Transportation of all Farm Service Volunteers who offered to serve three weeks or more was paid for the going fare.

An Unemployment Insurance Fund was set up. Each farmer paid into the fund 10c per day per girl or boy hired. This fund was used to pay Board money on the following basis — all workers who had worked 32 hours or more in the week, paid their full board of \$4.50 (girls) a week or \$5.00 (boys) a week. If they were unable to get 32 hours work, due to rain or no work being offered — then 1/32 of their Board money was paid on account of board, out of the Unemployment Insurance Fund for every hour less the 32 that they worked.

Camps were set up in a variety of ways. Two were under canvas with a central building for staff, kitchen, wash room, dining room, etc. One was housed in a Public School, another in a High School, one in a High School and Church Parish Hall, one was erected in an orchard, another was in a refitted and furnished horse stable, a packing house provided another site, two were roadside Tourists' Cabin Centres, three were in private residences, two were in bunkhouses, one in a barn and two in Fall Fair Buildings.

The Girls' Camps were located in the following places (the number in brackets indicates the capacity) Oakville (100) Waterford (76) Sparta (28) Cottam (78) Saltfleet (60) Winona (56) Grimsby (100) Beamsville (60) Vine-land (58) Jordan (66) Gregory (48) St. Catharines (60) Virgil (56) Queenston (60) St. Davids (56) Fenwick (36) Total capacity 996.

The Boys' Camps were located at Harrow (55) Leamington (70) Pelee Island (20) Blenheim (56) Total capacity 201.

## PRIVATE CAMPS

These camps to the number of fifteen were built, equipped, and staffed by individual farmers who needed from 10 to 40 or more workers on their own farms. The Ontario Farm Service Force undertook to help find staff and keep the camps filled with helpers, throughout the season.

## TYPE OF FARMING SUPPLIED

The following types of farming were supplied with help, general mixed farming, dairying, beef stock, poultry, flax, sugar beets, vegetables, truck gardening, and fruit farming. Workers were also supplied to canneries and wineries.

## UNIFORMS, BADGES, CRESTS, ETC.

A system of recognition has been worked out and includes the following:

1. A Crest with the Name "Farm Service Force" and motto "We Lend a Hand," a Union Jack and the Ontario Coat of Arms superimposed, is presented to every registrant.
2. The crest is accompanied with a card containing the Code of the Ontario Farm Service Force.
3. Uniforms for Farm Cadets, Farmerettes, and Women's Land Brigade are prescribed with shoulder, sleeve and hat badges. The wearing of these is not compulsory except in camp.
4. The work uniform is blue overalls, white blouse, and red bandanna for girls and blue shirts and straw hats for boys.
5. Chevrons for six months or one season's work are presented to be worn on the sleeve of the dress uniform.
6. Certificates of Achievement will be presented at public gatherings in Schools, etc., in the Fall to those who have participated in the work.





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Ontario Department of Agriculture

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ANNUAL REPORT

OF THE

STATISTICS BRANCH  
1943

PART I.—AGRICULTURAL STATISTICS

PART II.—CHATTEL MORTGAGES

PART III.—SUMMARY STATISTICS, 1882-1943

PRINTED BY ORDER OF  
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1944

# Ontario Department of Agriculture

## Statistics Branch

### PART I — AGRICULTURAL STATISTICS

The gross value of agricultural production in Ontario during the year 1943 is estimated at \$572,322,000. This is an increase of \$16,433,000 over the preceding year, and \$324,638,000 greater than in 1932, the low point of the depression. Practically all items were higher in 1943 than in 1942. The largest gains were shown by fruits and vegetables which rose from \$31,611,000 to \$54,261,000, and poultry and eggs, which rose from \$47,704,000 to \$61,258,000. Dairy products increased from \$102,716,000 to \$112,602,000, farm animals from \$139,208,000 to \$141,112,000, and tobacco from \$18,625,000 to \$18,780,000.

For the whole of Canada the gross value<sup>\*</sup> of agricultural production in 1943 is estimated at \$2,220,527,000 as against \$2,078,954,000 in the preceding year, and \$766,794,000 in 1932.

#### GROSS VALUE OF AGRICULTURAL PRODUCTION IN ONTARIO, BY ITEMS, 1935 TO 1943

("000" omitted)

	1935 \$	1936 \$	1937 \$	1938 \$	1939 \$	1940 \$	1941 \$	1942 \$	1943* \$
Field Crops.....	132,086	166,284	149,100	131,569	156,115	149,479	181,479	209,014	174,051
Farm Animals....	61,351	74,890	87,792	85,355	90,402	104,529	125,369	139,208	141,112
Wool.....	417	533	593	376	517	753	657	797	866
Dairy Products....	50,168	54,122	55,491	58,288	57,094	64,602	77,109	102,716	112,602
Fruits, Vegetables..	17,292	18,053	18,507	20,926	21,365	21,888	30,140	31,611	54,261
Poultry and Eggs..	22,345	24,385	23,199	23,835	24,391	25,991	34,346	47,704	61,258
Fur Farming.....	966	1,131	1,351	1,136	1,173	1,248	1,217	1,460	1,752
Maple Products....	1,161	1,161	879	853	751	837	693	1,510	1,454
Tobacco.....	10,226	8,505	15,965	19,058	17,742	8,691	17,319	18,625	18,780
Flax Fibre.....	161	155	133	120	358	743	1,125	808	895
Clover, Grass Seed.	1,006	1,417	1,168	1,689	1,381	638	2,592	1,406	2,505
Honey and Wax....	1,115	1,062	753	1,190	960	943	1,332	1,030	2,786
<b>TOTALS.....</b>	<b>298,294</b>	<b>351,698</b>	<b>354,931</b>	<b>344,395</b>	<b>372,249</b>	<b>380,342</b>	<b>473,378</b>	<b>555,889</b>	<b>572,322</b>

#### GROSS VALUE OF AGRICULTURAL PRODUCTION IN CANADA, BY ITEMS, 1935 TO 1943

("000" omitted)

	1935 \$	1936 \$	1937 \$	1938 \$	1939 \$	1940 \$	1941 \$	1942 \$	1943* \$
Field Crops.....	511,873	612,300	556,222	550,069	685,839	676,682	683,889	1,145,778	1,104,065
Farm Animals....	158,436	184,121	227,091	197,600	218,385	268,679	339,305	409,192	477,562
Wool.....	1,493	1,861	2,049	1,565	1,827	2,703	2,571	3,283	3,790
Dairy Products....	126,990	137,769	144,860	154,550	145,883	164,132	206,543	272,421	319,088
Fruits, Vegetables..	50,604	48,678	54,354	57,095	56,804	58,463	69,494	74,340	100,454
Poultry and Eggs..	55,394	57,931	56,980	58,933	60,829	67,135	89,009	131,273	166,915
Fur Farming.....	5,516	6,532	6,802	6,476	5,793	6,143	5,539	6,697	7,706
Maple Products....	3,522	3,714	2,245	3,850	3,444	4,210	3,561	6,716	5,750
Tobacco.....	10,870	9,374	17,140	20,270	19,444	10,470	18,614	19,873	20,367
Flax Fibre.....	321	298	332	519	1,249	1,727	3,118	2,155	3,047
Clover, Grass Seed.	1,818	2,154	2,344	2,996	2,827	2,184	5,165	3,721	8,783
Honey.....	2,338	2,823	2,164	3,057	2,616	2,584	3,315	3,505	3,000
<b>TOTALS.....</b>	<b>929,175</b>	<b>1,067,555</b>	<b>1,072,583</b>	<b>1,056,980</b>	<b>1,204,940</b>	<b>1,265,112</b>	<b>1,430,123</b>	<b>2,078,954</b>	<b>2,220,527</b>

\*Preliminary.

PRODUCTION AND SHIPPING POINT VALUE OF FRUIT IN ONTARIO,  
AS COMPARED WITH 1942

	Year	Total Quantity	Average Value	Total
			per Unit	Value
Apples.....	1942	Barrels 616,950	\$ c. 2.85	\$ 1,756,900
	1943	790,590	3.84	3,038,700
Pears.....	1942	Bushels 412,100	1.45	596,000
	1943	334,000	2.07	690,700
Plums and Prunes.....	1942	190,500	1.65	314,400
	1943	131,000	2.81	369,800
Peaches.....	1942	1,620,000	1.65	2,673,000
	1943	440,000	3.18	1,399,200
Cherries.....	1942	272,200	3.90	1,061,000
	1943	112,170	5.86	603,200
Strawberries.....	1942	Quarts 5,447,300	.120	671,200
	1943	5,972,400	.200	1,199,500
Raspberries.....	1942	4,375,000	.210	901,400
	1943	4,997,800	.300	1,523,200
Grapes.....	1942	Tons 36,000	47.27	1,701,700
	1943	26,000	63.50	1,651,000
Total Value.....	1942	.....	....	9,675,600
	1943	.....	....	10,475,300

PRODUCTION AND VALUE OF PRINCIPAL FARM CROPS, 1943

Field Crops	Acres	Bushels per acre	Production	Market Value	
				Total	Per acre
		bush.	bush.	\$	\$ c.
Fall wheat.....	601,000	22.0	13,222,000	14,148,000	23.54
Spring wheat.....	37,800	16.8	635,000	673,000	17.80
Oats.....	1,457,000	23.8	34,677,000	19,072,000	13.09
Barley.....	279,000	23.0	6,417,000	4,235,000	15.18
Peas.....	32,000	16.0	512,000	1,055,000	32.97
Beans.....	68,000	17.0	1,156,000	2,485,000	36.54
Rye.....	64,000	16.5	1,056,000	908,000	14.19
Buckwheat.....	159,000	22.5	3,578,000	2,648,000	16.65
Flax.....	24,000	9.8	235,200	435,000	18.13
Soy Beans.....	47,000	18.6	874,000	1,573,000	33.47
Corn (shelled).....	190,000	36.5	6,935,000	6,103,000	32.12
Potatoes.....	116,000	cwt.	cwt.	17,143,000	147.78
		65.1	7,552,000		
Mangels.....	20,000	bush.	bush.	1,932,000	96.60
		460	9,200,000		
Turnips.....	39,000	436	17,004,000	3,911,000	100.28
Mixed grains.....	895,000	22.8	20,406,000	11,835,000	13.22
Corn (for silo), green.....	307,000	tons	tons	10,714,000	34.90
		9.97	3,061,000		
Hay and clover.....	2,625,000	2.00	5,250,000	50,400,000	19.20
Alfalfa.....	794,000	2.79	2,215,000	22,593,000	28.45
Alsike.....	54,000	1.50	81,000	792,000	14.67
Sweet clover.....	187,000	2.19	410,000	2,628,000	14.05
Sugar beets.....	9,300	7.13	66,300	428,000*	46.02
Totals 1943.....	8,005,100	....	.....	175,711,000	21.95

\*Initial payment.

## THE WEATHER

TEMPERATURE.—The following table gives the temperature of the Province for each month during the last five years, together with the mean annual temperature for the six months, April–September, practically the growing season, together with the average for the five years, 1939–1943, and the sixty-two years, 1882–1943.

Months	1943	1942	1941	1940	1939	1939-1943	1882-1943
January	13.5	18.7	17.2	13.5	18.7	16.3	18.1
February	20.5	16.8	18.7	19.0	19.0	18.8	17.9
March	24.1	32.6	23.2	22.3	24.7	25.4	27.5
April	35.5	47.2	47.2	38.5	37.9	44.5	41.5
May	52.3	55.4	56.1	52.9	55.4	54.4	53.6
June	66.2	64.0	66.2	61.8	63.9	64.4	63.5
July	66.3	67.2	70.5	67.9	67.8	68.3	68.4
August	66.1	66.4	64.0	66.2	68.9	66.3	66.0
September	56.7	57.8	61.1	57.7	59.2	58.5	59.4
October	46.4	48.5	48.8	45.4	47.7	47.4	47.5
November	34.3	35.8	38.3	34.0	33.2	35.1	35.2
December	21.5	19.3	27.2	25.1	27.1	24.1	23.5
Annual Mean	42.1	44.1	44.9	42.0	43.6	43.3	43.5
Mean for six months April–September	57.5	59.7	60.8	57.5	58.9	58.3	58.7

The mean temperature for 1943 was 42.1 degrees or 2.0 below preceding year and 1.4 degree below the normal of the sixty-two years, 1882–1943.

The mean for the six months, April–September, was 57.5 or 2.2 degrees below the preceding year, and 1.2 below normal.

Three months were above normal and nine below. June had the greatest departure above normal with 2.7 degrees, and April the greatest below with 6.0 degrees.

SUNSHINE.—In the following the averages of sunshine are derived from the records of the weather stations at Woodstock, Toronto, Lindsay and Ottawa.

Months	Sun. above horizon	1943	1942	1941	1940	1939	1939- 1943	1882- 1943
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January.....	285.7	70.5	87.5	86.5	95.3	62.5	80.5	76.4
February.....	291.4	119.7	108.5	116.5	114.0	84.7	108.7	103.3
March.....	369.9	157.2	103.7	179.0	126.8	137.2	140.8	140.2
April.....	406.4	170.5	213.0	229.0	167.8	137.7	183.6	178.1
May.....	461.1	165.8	155.0	240.0	167.0	237.9	193.1	215.6
June.....	465.7	264.5	234.0	262.5	217.0	243.6	244.3	249.1
July.....	470.9	265.0	270.2	269.5	292.5	308.0	281.0	270.6
August.....	434.5	225.5	225.0	247.8	233.5	287.5	243.9	240.8
September.....	376.3	177.5	168.8	199.7	172.5	173.1	178.3	182.3
October.....	340.2	138.3	146.0	110.3	148.7	135.7	135.8	139.7
November.....	286.9	63.5	102.3	82.0	62.2	118.1	85.6	78.3
December.....	274.3	85.0	66.2	65.0	62.5	65.9	68.9	62.1
The year.....	4463.3	1903.0	1880.2	2087.8	1859.8	1991.9	1944.5	1936.7
For six months April-September.....	2614.9	1268.8	1266.0	1448.5	1250.3	1387.8	1342.2	1336.5

The year 1943 had 1903.0 hours of sunshine or 33.7 hours lower than the average for the sixty-two years. The six growing months, April-September, had 1,268.8 or 67.7 hours below normal. Four months were above normal and eight below. December had the greatest departure above with 29.0 hours and May the greatest below with 49.8 hours.

The rainfall for the six months, April-September, comprising what is the growing season for most crops, is given in the following table covering the last five years, 1939-1943, and the normal for the sixty-two years, 1882-1943.

Months	1943	1942	1941	1940	1939	1939- 1943	1882- 1943
	in.	in.	in.	in.	in.	in.	in.
April.....	1.27	1.26	1.57	1.87	1.89	1.57	1.88
May.....	4.49	4.62	2.14	4.09	1.89	3.42	2.72
June.....	3.55	1.94	2.24	3.46	2.76	2.79	2.81
July.....	3.03	2.93	3.57	2.54	3.04	3.02	2.88
August.....	3.32	2.31	3.48	3.27	3.16	3.11	2.59
September.....	2.40	4.69	3.00	2.72	2.77	3.12	2.84
Total for six months...	18.06	17.75	15.90	17.95	15.51	17.03	15.72

The rainfall for the six months, April-September, was 18.06 or 0.31 more than preceding year, and in comparison with the sixty-two years 2.34 inches above. Three months were above normal and three below. May with 1.77 above and June with 0.74 below had the greatest departures during the growing season.

PRECIPITATION.—The fall of both rain and snow for the five winter months including November, 1943, and March, 1944, is given in the following table for five years, together with the average for the sixty-three years, 1882-1944. Ten inches of snow is equal to one inch of rain.

Months	1943	1942	1941	1940	1939	1939-1943	1882-1944
	in.	in.	in.	in.	in.	in.	in.
November, 1943:							
Rain.....	1.55	1.88	2.30	2.11	0.66	1.70	1.97
Snow.....	8.7	9.3	4.7	17.6	1.6	8.4	7.6
December, 1943:							
Rain.....	0.26	1.22	1.23	1.76	0.94	1.08	1.16
Snow.....	11.5	24.1	11.3	13.4	7.4	13.5	15.3
January, 1944:							
Rain.....	0.44	0.10	0.79	0.38	0.39	0.42	0.89
Snow.....	5.6	25.7	16.8	19.9	19.7	17.5	18.6
February, 1944:							
Rain.....	0.38	0.59	0.49	0.23	0.13	0.37	0.70
Snow.....	13.0	15.8	15.8	15.7	14.8	14.6	15.4
March, 1944:							
Rain.....	0.94	1.45	1.96	0.23	0.58	1.03	1.18
Snow.....	17.3	14.1	12.0	12.0	18.4	14.8	11.4
Five Months:							
Rain.....	3.57	5.24	6.77	4.71	2.70	4.60	5.90
Snow.....	56.1	87.0	60.6	78.6	61.9	68.8	68.3

The total amount of rainfall for the five months was 3.57 inches or 2.33 inches the average for the sixty-three years, 1882-1944. The total amount of snow-fall was 56.1 or 12.2 below the normal.

TEMPERATURES, 1943

TABLE I.—Showing for each month the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario for 1943; also the annual mean for each station.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	Montreal River
January:										
Highest.....	40.0	43.0	40.0	36.0	42.0	39.0	35.0	33.0	35.0	35.0
Lowest.....	-19.0	-5.0	-9.0	-12.0	-1.0	-4.0	-24.0	-21.0	-25.0	-49.0
Daily range.....	18.2	11.8	14.6	14.1	12.5	11.2	18.1	19.9	18.4	29.0
Monthly mean.....	17.5	21.6	17.7	16.1	22.9	19.5	9.5	8.0	4.5	-2.7
February:										
Highest.....	49.0	64.0	49.0	47.0	60.0	53.0	44.0	44.0	42.0	49.0
Lowest.....	-19.0	-7.0	-20.0	-6.0	-12.0	-21.0	-32.0	-37.0	-35.0	-48.0
Daily range.....	13.4	15.1	16.1	15.4	14.8	13.8	16.0	21.0	18.8	33.5
Monthly mean.....	21.8	28.2	23.3	21.5	27.8	25.7	18.2	16.0	14.4	8.3
March:										
Highest.....	69.0	74.0	74.0	67.0	79.0	58.0	58.0	46.0	43.0	49.0
Lowest.....	-13.0	-1.0	-9.0	-8.0	-2.0	1.0	-15.0	-24.0	-20.0	-42.0
Daily range.....	15.0	16.7	18.6	18.6	15.8	13.6	18.9	20.8	17.9	33.1
Monthly mean.....	24.4	32.1	29.0	26.9	31.8	30.0	16.8	17.8	20.8	11.1
April:										
Highest.....	62.0	68.0	70.0	66.0	71.8	73.0	70.0	63.0	68.0	61.0
Lowest.....	13.0	20.0	17.0	16.0	18.8	16.0	8.0	2.0	4.0	-8.0
Daily range.....	14.1	17.3	16.3	16.9	14.2	13.2	17.4	19.1	16.7	25.6
Monthly mean.....	33.5	40.9	37.4	35.4	39.7	39.1	33.8	31.6	34.0	29.4
May:										
Highest.....	80.0	79.0	78.0	75.0	88.4	81.0	77.5	80.0	75.0	82.0
Lowest.....	27.0	31.0	28.0	21.0	31.5	30.0	23.9	23.0	25.0	22.0
Daily range.....	17.1	17.0	17.2	17.3	18.8	14.1	20.6	22.4	20.1	29.8
Monthly range.....	49.3	55.5	53.5	50.7	53.7	55.0	51.6	50.8	53.5	49.8
June:										
Highest.....	86.0	95.0	92.0	90.0	93.9	94.0	89.1	85.1	89.0	87.0
Lowest.....	42.0	45.0	48.0	41.0	45.4	49.0	41.9	38.0	42.0	32.0
Daily range.....	20.5	18.4	19.9	19.4	21.2	19.4	21.8	23.3	19.8	26.1
Monthly mean.....	62.4	72.0	69.0	66.3	68.0	69.3	66.8	64.3	65.1	58.4
July:										
Highest.....	84.0	88.0	86.0	86.0	89.0	88.0	90.0	89.0	90.0	91.0
Lowest.....	44.0	48.0	47.0	45.0	42.0	49.0	40.0	38.0	47.0	31.0
Daily range.....	19.8	18.5	20.9	20.0	18.9	17.7	23.0	24.6	22.2	29.8
Monthly mean.....	65.7	72.1	69.9	66.3	70.2	71.3	67.9	66.3	69.2	63.8
August:										
Highest.....	86.0	90.0	89.0	97.0	93.0	90.0	89.0	85.0	89.0	82.0
Lowest.....	44.0	48.0	47.0	43.0	42.0	50.0	44.0	37.0	45.0	33.0
Daily range.....	18.1	18.6	21.0	20.4	18.7	17.7	20.7	21.1	19.6	23.5
Monthly mean.....	65.6	70.8	68.4	65.6	69.5	68.8	64.5	62.7	65.0	60.2
September:										
Highest.....	87.0	92.0	89.0	85.0	93.0	90.0	92.0	86.0	81.0	79.0
Lowest.....	33.0	33.0	31.0	26.0	35.0	38.0	27.0	26.0	27.0	21.0
Daily range.....	18.8	20.6	20.6	21.8	17.4	17.0	20.9	20.9	19.7	23.8
Monthly mean.....	57.7	60.3	58.6	56.5	60.7	59.9	55.2	54.0	54.9	49.7
October:										
Highest.....	76.0	80.0	77.0	75.0	80.0	80.0	75.0	74.0	73.0	73.0
Lowest.....	27.0	29.0	28.0	26.0	28.0	33.0	24.0	20.0	23.0	18.0
Daily range.....	17.0	18.0	19.6	19.6	15.5	14.8	20.0	19.4	17.7	21.3
Monthly mean.....	46.0	49.8	46.8	46.6	49.7	48.8	44.7	43.9	47.0	41.0
November:										
Highest.....	60.0	68.0	65.0	65.0	63.0	55.0	55.0	54.0	55.0	51.0
Lowest.....	10.0	18.0	17.0	16.0	20.0	20.0	8.0	-1.0	7.0	-4.0
Daily range.....	10.3	11.2	11.9	11.4	11.4	9.6	13.0	13.8	13.3	14.4
Monthly mean.....	35.2	37.0	35.5	34.8	38.7	38.0	32.3	31.2	32.8	27.6
December:										
Highest.....	42.0	47.0	43.0	42.0	47.0	47.0	43.0	39.0	41.0	39.0
Lowest.....	-2.0	2.0	-5.0	-4.0	4.0	-6.0	-21.0	-32.0	-25.0	-41.0
Daily range.....	15.3	12.0	13.5	13.2	12.7	13.4	16.8	19.7	18.0	16.3
Monthly mean.....	24.3	26.7	24.5	24.0	28.1	26.8	18.4	15.5	13.6	13.3
The Year.....	41.9	47.2	44.5	42.6	46.7	46.0	40.0	3.15	39.6	34.1

## AVERAGE TEMPERATURE FOR SIXTY-TWO YEARS

TABLE II.—Showing for each month the monthly average for the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario, derived from the sixty-two years, 1882-1943; also the annual mean at each station for the same period.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	MontrealRiver
January:										
Highest.....	44.0	46.7	45.6	45.2	49.2	45.4	41.4	40.5	40.7	38.1
Lowest.....	-7.1	-6.1	-8.6	-9.3	-3.6	-6.0	-19.3	-26.9	-21.0	-34.8
Daily range.....	14.3	13.5	14.6	14.9	13.9	14.0	17.9	20.0	17.7	25.5
Monthly mean.....	20.9	22.9	21.7	20.5	25.1	23.0	16.0	14.0	11.8	5.5
February:										
Highest.....	43.9	49.6	46.3	45.1	48.2	45.2	41.8	41.3	40.4	40.9
Lowest.....	-11.0	-6.1	-9.2	-9.0	-4.1	-6.0	-17.3	-25.9	-19.5	-34.8
Daily range.....	15.9	13.1	16.0	15.9	14.6	14.7	19.3	21.7	18.9	26.1
Monthly mean.....	19.1	22.5	20.9	19.8	23.7	22.0	15.8	13.7	13.0	8.1
March:										
Highest.....	54.8	60.8	59.9	57.4	60.1	56.8	52.7	50.7	49.7	51.2
Lowest.....	-1.9	3.4	1.1	1.1	6.7	5.1	-6.1	-13.0	-7.8	-23.5
Daily range.....	16.1	15.3	17.2	16.0	14.4	14.2	18.3	20.4	17.3	26.1
Monthly mean.....	27.0	31.5	30.3	28.7	32.6	30.5	25.9	23.7	24.8	19.7
April:										
Highest.....	72.3	77.4	76.0	74.0	76.6	71.9	74.3	71.5	73.9	72.5
Lowest.....	16.3	20.1	19.0	18.3	21.6	21.6	14.5	10.2	15.5	3.8
Daily range.....	17.3	18.1	20.5	19.3	17.0	16.5	20.9	21.2	19.3	24.6
Monthly mean.....	40.0	44.1	43.1	42.2	44.0	42.9	41.2	39.0	41.2	37.1
May:										
Highest.....	79.8	84.4	83.5	81.1	84.7	81.3	83.2	81.1	83.4	84.5
Lowest.....	28.4	30.3	29.3	29.4	33.0	32.5	27.6	25.6	30.8	19.7
Daily range.....	19.2	21.5	22.8	21.5	20.3	19.2	24.0	23.8	21.8	27.5
Monthly mean.....	50.8	56.0	55.1	53.6	54.6	54.4	53.9	51.9	55.0	50.9
June:										
Highest.....	85.1	90.0	89.3	86.6	90.8	88.2	89.2	86.6	88.6	89.9
Lowest.....	37.5	39.7	38.4	38.9	41.7	42.7	38.3	35.2	41.1	32.5
Daily range.....	19.7	20.9	23.1	21.7	20.8	20.1	24.6	24.6	22.4	28.3
Monthly mean.....	60.3	66.3	64.8	63.5	65.2	64.5	63.7	61.7	64.3	60.7
July:										
Highest.....	87.8	93.9	92.8	90.1	93.1	91.9	92.1	89.5	91.3	92.2
Lowest.....	44.2	45.8	44.3	44.7	48.2	49.3	43.9	41.4	47.7	38.9
Daily range.....	19.8	22.3	23.4	22.2	21.0	20.1	24.6	23.9	20.9	28.9
Monthly mean.....	66.2	70.7	69.5	68.1	71.1	69.7	67.9	66.1	69.0	65.7
August:										
Highest.....	86.3	91.5	91.0	88.6	92.8	89.5	90.2	87.3	89.2	88.5
Lowest.....	42.2	44.4	41.3	42.0	46.2	47.2	40.8	37.4	43.7	35.7
Daily range.....	18.5	21.3	23.2	22.7	20.2	21.1	24.6	23.4	21.2	26.1
Monthly mean.....	64.8	68.5	67.1	65.6	69.1	66.9	65.7	63.8	66.4	61.9
September:										
Highest.....	84.5	87.1	87.3	85.0	89.3	85.9	85.5	83.0	85.0	83.4
Lowest.....	34.8	35.5	32.4	32.9	36.4	37.2	31.6	29.4	33.3	27.9
Daily range.....	18.1	19.1	22.3	20.9	19.6	18.5	22.4	21.7	20.4	24.2
Monthly mean.....	59.1	62.9	60.7	59.4	62.6	60.8	58.3	56.8	58.7	54.4
October:										
Highest.....	74.6	77.5	76.1	74.4	77.6	74.3	74.2	72.3	73.0	72.6
Lowest.....	26.0	27.0	24.3	24.3	26.9	27.7	21.6	20.0	23.8	17.1
Daily range.....	16.2	17.6	19.8	18.6	18.1	16.2	19.9	19.0	17.9	20.0
Monthly mean.....	48.2	50.6	48.6	47.5	50.7	49.1	46.2	45.3	46.1	42.6
November:										
Highest.....	61.7	64.1	62.5	61.8	65.8	61.1	59.7	58.6	59.2	55.7
Lowest.....	14.3	15.2	13.2	12.7	17.9	16.0	6.6	4.8	7.2	-2.4
Daily range.....	13.1	12.7	12.8	14.0	13.6	12.6	15.4	14.9	13.2	15.7
Monthly mean.....	36.8	38.3	36.1	35.4	39.6	38.0	33.9	32.7	32.8	28.6
December:										
Highest.....	48.5	50.1	51.3	48.4	52.7	48.8	45.4	44.2	43.1	42.6
Lowest.....	0.0	1.8	-1.9	-2.7	1.2	0.0	-12.9	-16.8	-15.3	-26.2
Daily range.....	12.3	10.8	13.0	12.9	12.4	12.3	15.9	16.9	14.9	20.0
Monthly mean.....	26.3	27.6	26.5	25.2	29.3	27.7	21.2	19.9	17.8	13.4
The year.....	43.3	46.8	45.4	44.2	47.3	45.8	42.5	40.7	41.7	37.4



RAIN AND SNOW

TABLE III.—Summary of the total fall of rain and snow and the number of days on which rain and snow fell in Ontario during 1943, at stations reporting the whole year, and the average of the Province.

Stations	Rain		Snow		Stations	Rain		Snow	
	Inches	Days	Inches	Days		Inches	Days	Inches	Days
ALGOMA:					NORFOLK:				
Biscotasing . . . . .	23.46	66	85.3	57	Simcoe . . . . .	In	com	plete	
Franz . . . . .	21.20	82	139.1	82	NORTHUMBERLAND:				
Kapuskasing . . . . .	13.14	90	94.0	59	Healey Falls . . . . .	In	com	plete	
Steep Hill Falls . . . . .	In	com	plete		OXFORD:				
BRANT:					Woodstock . . . . .	22.42	95	72.0	47
Brantford . . . . .	16.77	74	37.0	21	PARRY SOUND:				
Paris . . . . .	27.18	87	85.9	37	Magnetawan . . . . .	25.45	83	134.5	71
BRUCE:					Parry Sound . . . . .	22.88	103	148.9	76
Southampton . . . . .	24.66	109	203.5	93	PEEL:				
Tobermory . . . . .	22.15	57	114.0	34	Alton . . . . .	In	com	plete	
Walkerton . . . . .	26.75	58	110.0	35	PERTH:				
CARLETON:					Stratford . . . . .	23.25	91	114.5	64
Ottawa . . . . .	33.63	90	88.7	56	PETERBOROUGH:				
DURHAM:					Apsley . . . . .	29.17	110	116.8	65
Orono . . . . .	27.27	84	80.8	41	Lakefield . . . . .	20.57	57	77.3	29
ELGIN:					Peterborough . . . . .	In	com	plete	
St. Thomas . . . . .	31.33	101	70.4	38	RAINY RIVER:				
ESSEX:					Atikokan . . . . .	24.56	40	55.3	23
Harrow . . . . .	25.29	111	34.8	39	Emo . . . . .	21.90	85	60.2	32
Leamington . . . . .	26.82	82	35.9	30	Fort Frances . . . . .	20.73	67	58.5	29
FRONTENAC:					Mine Centre . . . . .	23.12	68	72.0	35
Kingston . . . . .	32.45	110	53.6	50	RENFREW:				
GREY:					Clontarf . . . . .	23.17	67	75.4	34
Eugenia . . . . .	In	com	plete		Pembroke . . . . .	20.26	76	89.2	44
HALTON:					Renfrew . . . . .	26.25	74	82.8	50
Georgetown . . . . .	In	com	plete		SIMCOE:				
HASTINGS:					Beeton . . . . .	23.21	74	74.1	36
Belleville . . . . .	28.47	105	78.1	61	Orillia . . . . .	21.02	77	99.7	51
Trenton . . . . .	27.24	86	55.0	28	Washago . . . . .	25.42	85	97.9	42
HURON:					SUDBURY:				
Brucefield . . . . .	In	com	plete		Chapleau . . . . .	15.28	67	93.5	56
Lucknow . . . . .	22.19	69	125.8	62	Coniston . . . . .	23.97	73	77.2	48
Ridgecrest . . . . .	27.81	72	127.0	48	Timmins . . . . .	16.51	83	88.8	83
KENORA:					THUNDER BAY:				
Ignace . . . . .	24.94	67	85.5	53	Kakabeka Falls . . . . .	18.44	68	69.7	35
Kenora . . . . .	20.18	83	83.2	74	Port Arthur . . . . .	15.86	77	75.7	61
Sioux Lookout . . . . .	27.55	84	84.5	70	Savanne . . . . .	25.70	75	98.1	40
KENT:					Schreiber . . . . .	20.69	66	97.5	43
Chatham . . . . .	25.53	91	54.0	29	VICTORIA:				
LEEDS:					Fenelon Falls . . . . .	In	com	plete	
Brockville . . . . .	31.42	94	29.9	29	Lindsay . . . . .	24.49	97	87.3	60
LINCOLN:					WATERLOO:				
St. Catharines . . . . .	22.27	87	27.7	20	Kitchener . . . . .	28.19	76	75.3	30
Vineland . . . . .	16.27	70	47.3	41	WELLAND:				
MANITOULIN:					Welland . . . . .	28.53	98	57.4	54
Providence Bay . . . . .	In	com	plete		WELLINGTON:				
MIDDLESEX:					Guelph . . . . .	25.42	74	55.2	41
London . . . . .	31.49	109	88.2	72	YORK:				
Lucan . . . . .	26.37	98	106.5	66	Agincourt . . . . .	25.37	83	59.4	41
MUSKOKA:					Toronto . . . . .	27.14	100	55.0	48
Beatrice . . . . .	25.15	90	160.0	54	Average for the				
NIPISSING:					Province 1943 . . . . .	24.40	82	85.3	49
Algonquin Park . . . . .	20.25	68	132.7	48	1942 . . . . .	26.63	87	86.2	50
Haileybury . . . . .	17.85	107	118.7	80	1941 . . . . .	24.75	86	65.0	42
Iroquois Falls . . . . .	19.16	88	108.2	63	1882-1943 . . . . .	24.23	86	73.4	42
Madawaska . . . . .	21.46	40	113.8	31					
Montreal River . . . . .	21.51	108	108.2	63					
North Bay . . . . .	26.19	91	78.5	76					
Rutherglen . . . . .	In	com	plete						

## RAIN AND SNOW

TABLE IV.—Monthly summary of inches of rain and snow in precipitation in the several districts in Ontario in 1943. Also the average derived from the sixty-two years, 1882-1943.

Months	West and Southwest		North and Northwest		Centre		East and Northeast		The Province	
	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow
1943	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
January.....	0.13	32.1	Trace	20.4	0.17	27.8	0.10	22.7	0.10	25.7
February.....	0.97	14.2	0.06	15.7	0.28	11.5	0.95	13.9	0.56	13.8
March.....	1.87	10.5	0.08	16.9	2.14	14.0	1.70	15.2	1.45	14.1
April.....	1.99	10.4	0.64	8.7	1.10	10.6	1.35	12.2	1.27	10.5
May.....	4.57	.....	3.24	Trace	4.57	.....	5.57	0.1	4.49	Trace
June.....	3.65	.....	5.41	.....	2.36	.....	2.78	.....	3.55	.....
July.....	3.55	.....	2.67	.....	3.08	.....	2.83	.....	3.03	.....
August.....	2.93	.....	3.17	.....	3.18	.....	4.02	.....	3.32	.....
September.....	1.84	.....	3.50	Trace	2.25	.....	2.00	.....	2.40	.....
October.....	2.00	0.4	1.34	3.2	2.72	0.5	3.63	.....	2.43	1.0
November.....	1.81	11.1	1.01	11.3	1.56	7.8	1.82	4.7	1.55	8.7
December.....	0.46	12.3	0.02	14.7	0.25	8.7	0.30	10.3	0.26	11.5
The year.....	25.79	91.0	21.14	89.9	23.66	80.9	27.05	79.1	24.40	85.3
1882-1943										
January.....	1.16	16.4	0.46	22.1	1.03	17.0	0.96	19.3	0.90	18.7
February.....	1.05	13.7	0.30	17.5	0.83	14.2	0.62	16.4	0.70	15.4
March.....	1.39	9.2	0.72	1.34	1.32	10.6	1.22	12.0	1.16	11.3
April.....	2.19	2.6	1.48	4.9	2.05	3.3	1.82	3.7	1.88	3.6
May.....	3.01	0.1	2.43	0.4	2.77	0.1	2.70	0.1	2.72	0.2
June.....	2.92	.....	2.84	.....	2.74	.....	2.75	.....	2.81	.....
July.....	2.76	.....	3.02	.....	2.86	.....	2.87	.....	2.88	.....
August.....	2.72	.....	2.85	.....	2.48	.....	2.33	.....	2.59	.....
September.....	2.78	.....	31.8	Trace	2.67	.....	2.72	Trace	2.84	.....
October.....	2.71	0.8	26.8	2.6	2.59	0.7	2.50	0.9	2.62	1.3
November.....	2.25	6.0	1.59	11.9	2.07	5.6	1.98	6.9	1.97	7.6
December.....	1.76	14.3	0.61	19.6	1.17	13.1	1.11	14.4	1.16	15.3
The year.....	26.70	63.1	22.16	92.4	24.58	64.6	23.58	73.7	24.23	73.4

SUNSHINE

TABLE V.—Monthly summary of bright sunshine at the principal stations in Ontario for 1943 showing the number of hours the sun was above the horizon, the hours of registered sunshine, the total for the year and average derived from the sixty-two years, 1882-1943.

Months	Sun above horizon	Woodstock	Toronto	Lindsay	Ottawa	Average of four stations		
						1943	1942	1882-1943
1943	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January .....	285.7	47.0	48.0	84.0	103.0	70.5	87.5	.....
February.....	291.4	110.0	125.0	131.0	113.0	119.7	108.5	.....
March.....	369.9	164.0	158.0	151.0	156.0	157.2	103.7	.....
April.....	406.4	168.0	183.0	162.0	169.0	170.5	213.0	.....
May.....	461.1	145.1	140.0	171.0	207.0	165.8	155.0	.....
June.....	465.7	248.0	287.0	267.0	256.0	264.5	234.0	.....
July.....	470.9	225.0	260.0	275.0	300.0	265.0	270.2	.....
August.....	434.5	228.0	227.0	224.0	223.0	225.5	225.0	.....
September.....	376.3	194.0	192.0	177.0	147.0	177.5	168.8	.....
October.....	340.2	132.0	153.0	153.0	115.0	138.3	146.0	.....
November.....	286.9	27.0	81.0	74.0	72.0	63.5	102.3	.....
December.....	274.3	68.0	91.0	102.0	79.0	86.0	66.2	.....
The year.....	4,463.3	1,756.1	1,945.0	1,971.0	1,940.0	1,903.0	1,880.2	.....
1882-1943								
January.....		65.9	77.0	72.8	90.1			76.4
February.....		94.0	107.1	99.2	113.0			103.3
March.....		126.1	148.1	138.5	148.0			140.2
April.....		168.7	184.9	171.5	187.2			178.1
May.....		215.9	224.1	203.5	219.1			215.6
June.....		256.6	263.3	230.3	246.3			249.1
July.....		280.6	287.3	248.1	266.6			270.6
August.....		239.4	254.5	223.5	246.0			240.8
September.....		178.4	202.7	173.6	174.6			182.3
October.....		145.8	151.9	127.4	133.6			139.7
November.....		76.8	84.2	70.2	81.9			78.3
December.....		56.0	65.6	58.4	68.6			62.1
The year.....		1,904.2	2,050.7	1,817.0	1,975.0			1,936.7

## RURAL AREA ASSESSED

TABLE VI.—Showing by County Municipalities the rural area of Ontario as returned by Municipal Assessors for 1943 to the Department of Municipal Affairs.

Counties and Districts	Acres of Assessed Land	Acres Cleared	Per cent cleared
Brant.....	213,698	177,430	83.03
Elgin.....	433,867	366,155	84.39
Essex.....	414,752	378,894	91.35
Haldimand.....	279,080	242,574	86.20
Kent.....	569,145	508,722	89.38
Lambton.....	660,464	554,515	83.96
Lincoln.....	188,528	163,925	86.95
Middlesex.....	749,173	688,236	91.87
Norfolk.....	393,423	258,123	65.61
Oxford.....	468,403	409,715	87.48
Welland.....	220,364	184,141	83.56
Wentworth.....	261,853	205,644	78.53
<b>Southern Ontario.....</b>	<b>4,852,750</b>	<b>4,138,074</b>	<b>85.27</b>
Bruce.....	929,392	581,870	62.61
Dufferin.....	355,777	284,865	80.07
Grey.....	1,063,561	693,551	65.21
Halton.....	223,072	181,657	81.43
Huron.....	800,041	668,857	83.60
Peel.....	287,887	261,491	90.83
Perth.....	516,169	460,835	89.28
Simcoe.....	935,466	685,144	73.24
Waterloo.....	304,716	256,093	84.04
Wellington.....	626,650	520,314	83.03
<b>Western Ontario.....</b>	<b>6,042,731</b>	<b>4,594,677</b>	<b>76.04</b>
Durham.....	366,340	312,120	85.20
Haliburton.....	476,093	48,552	10.20
Hastings.....	1,042,025	402,029	38.58
Muskoka.....	556,273	79,347	14.26
Northumberland.....	436,218	351,819	80.65
Ontario.....	500,799	382,072	76.92
Parry Sound.....	586,133	91,319	15.58
Peterborough.....	575,513	252,860	43.94
Prince Edward.....	234,452	198,907	84.84
Victoria.....	593,474	304,356	76.04
York.....	524,364	442,332	84.36
<b>Central Ontario.....</b>	<b>5,891,684</b>	<b>2,865,713</b>	<b>48.64</b>
Carleton.....	553,243	377,919	68.31
Dundas.....	239,960	192,751	80.33
Frontenac.....	675,300	243,945	36.12
Glengarry.....	288,835	195,053	67.53
Grenville.....	270,371	184,810	68.35
Lanark.....	664,091	347,462	52.32
Leeds.....	483,436	262,213	54.24
Lennox and Addington.....	414,465	253,709	61.23
Prescott.....	277,364	218,305	78.71
Renfrew.....	1,066,848	396,854	37.20
Russell.....	242,107	174,254	71.97
Stormont.....	254,241	148,884	58.56
<b>Eastern Ontario.....</b>	<b>5,430,261</b>	<b>2,996,159</b>	<b>55.18</b>
Algoma.....	327,370	78,545	23.99
Cochrane.....	148,809	27,594	18.54
Kenora.....	94,233	13,772	14.61
Manitoulin.....	368,431	50,464	13.70
Nipissing.....	285,953	69,105	24.17
Rainy River.....	387,722	70,467	18.17
Sudbury.....	416,619	99,884	23.97
Thunder Bay.....	430,123	72,653	16.89
Timiskaming.....	278,262	85,496	30.73
<b>Northern Ontario.....</b>	<b>2,737,522</b>	<b>567,980</b>	<b>20.75</b>
<b>The Province, 1943.....</b>	<b>24,954,948</b>	<b>15,162,603</b>	<b>60.76</b>

FALL WHEAT AND SPRING WHEAT

TABLE VII.—Showing by County Municipalities of Ontario the area, produce and market value of Fall Wheat and Spring Wheat for the year 1943.

Counties and Districts	Fall Wheat				Spring Wheat			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				\$				\$
Brant.....	12,906	20.3	261,992	279,638	214	17.3	3,702	3,783
Elgin.....	14,425	21.2	305,810	332,721	126	17.7	2,230	2,366
Essex.....	22,077	20.9	461,409	482,172	278	18.1	5,032	5,193
Haldimand.....	13,904	18.0	250,272	262,035	212	18.0	3,816	3,946
Kent.....	51,240	23.3	1,195,318	1,294,529	886	18.2	16,125	17,125
Lambton.....	47,302	20.6	974,421	1,051,400	423	17.0	7,191	7,702
Lincoln.....	12,824	15.0	192,360	199,093	65	16.6	1,079	1,103
Middlesex.....	32,821	19.0	623,599	676,605	1,036	16.5	17,094	18,256
Norfolk.....	13,907	21.5	299,000	320,558	186	17.1	3,181	3,286
Oxford.....	21,028	20.5	431,074	457,370	176	14.5	2,552	2,705
Welland.....	13,666	16.5	225,489	237,214	46	14.0	644	671
Wentworth.....	9,886	22.5	222,430	231,550	98	18.1	1,774	1,833
<b>Southern Ontario</b>	<b>265,986</b>	<b>20.5</b>	<b>5,443,174</b>	<b>5,824,885</b>	<b>3,746</b>	<b>17.2</b>	<b>64,420</b>	<b>67,969</b>
Bruce.....	25,089	20.4	511,816	542,525	486	18.3	8,894	9,339
Dufferin.....	3,848	22.4	86,195	92,229	1,158	18.0	20,844	22,053
Grey.....	27,332	24.6	672,367	706,985	1,316	17.5	23,030	23,951
Halton.....	12,986	22.1	286,990	307,079	643	15.0	9,645	10,368
Huron.....	32,590	20.5	668,095	713,525	1,262	16.7	21,075	22,550
Peel.....	12,253	22.2	272,016	285,607	821	16.0	13,136	13,793
Perth.....	23,820	22.0	524,040	565,963	888	18.5	16,428	17,742
Simcoe.....	41,416	21.4	886,302	948,343	2,792	16.0	44,672	47,040
Waterloo.....	20,083	23.2	465,926	503,200	466	17.0	7,922	8,556
Wellington.....	12,117	22.5	272,633	294,444	1,442	17.1	24,658	26,631
<b>Western Ontario</b>	<b>211,534</b>	<b>22.0</b>	<b>4,646,380</b>	<b>4,959,900</b>	<b>11,274</b>	<b>16.9</b>	<b>190,304</b>	<b>202,023</b>
Durham.....	13,423	22.3	299,333	320,266	876	12.3	10,775	11,422
Haliburton.....	5	19.4	97	106	20	13.1	262	280
Hastings.....	6,416	23.5	150,776	162,838	689	17.6	12,126	12,975
Muskoka.....	50	19.4	970	1,057	52	14.2	738	804
Northumberland.....	17,133	27.5	471,158	508,851	666	12.0	7,992	8,631
Ontario.....	17,636	25.4	447,954	479,321	1,173	17.6	20,605	21,635
Parry Sound.....	70	20.0	1,400	1,526	218	16.5	3,597	3,813
Peterborough.....	10,174	24.0	244,176	258,820	241	13.3	3,205	3,333
Prince Edward.....	2,788	23.5	65,518	69,449	296	16.0	4,736	4,925
Victoria.....	13,163	24.0	315,912	338,026	491	16.0	7,856	8,249
York.....	34,434	27.4	943,492	1,018,971	1,118	20.0	22,360	23,702
<b>Central Ontario</b>	<b>115,292</b>	<b>25.5</b>	<b>2,940,786</b>	<b>3,159,231</b>	<b>5,840</b>	<b>16.1</b>	<b>94,252</b>	<b>99,769</b>
Carleton.....	251	25.6	6,426	6,683	1,534	16.7	25,618	26,387
Dundas.....	169	22.7	3,836	4,066	442	17.3	7,646	8,181
Frontenac.....	201	22.0	4,422	4,732	366	18.3	6,698	7,033
Glengarry.....	121	26.5	3,206	3,366	541	17.5	9,468	9,847
Grenville.....	68	26.7	1,816	1,888	122	16.0	1,952	2,011
Lanark.....	344	26.6	9,150	9,425	1,271	17.2	21,861	22,517
Leeds.....	300	24.7	7,410	7,781	181	18.0	3,258	3,388
Lennox & Addington.....	1,910	23.2	44,544	45,880	741	17.5	12,968	13,357
Prescott.....	135	22.1	2,984	3,103	404	14.5	5,858	6,034
Renfrew.....	756	29.8	22,528	23,880	4,164	16.4	68,351	72,971
Russell.....	28	24.1	675	702	219	16.3	3,570	3,677
Stormont.....	154	27.5	4,235	4,404	364	15.7	5,715	5,886
<b>Eastern Ontario</b>	<b>4,437</b>	<b>25.1</b>	<b>111,232</b>	<b>115,910</b>	<b>10,349</b>	<b>16.7</b>	<b>172,963</b>	<b>181,289</b>
Algoma.....	972	25.0	24,300	26,730	1,039	16.0	16,624	17,954
Cochrane.....	171	16.1	2,753	3,000	783	18.3	14,328	15,618
Kenora.....	22	20.0	440	475	886	17.4	15,416	16,495
Manitoulin.....	1,573	20.5	32,246	35,471	303	18.0	5,454	5,945
Nipissing.....	97	23.5	2,280	2,440	139	17.9	2,488	2,612
Rainy River.....	402	20.0	8,040	8,683	1,028	16.4	16,859	18,208
Sudbury.....	216	20.0	4,320	4,622	413	15.0	6,195	6,566
Thunder Bay.....	101	20.1	2,030	2,192	1,011	17.7	17,895	19,148
Timiskaming.....	197	20.4	4,019	4,461	989	18.0	17,802	19,404
<b>Northern Ontario</b>	<b>3,751</b>	<b>21.4</b>	<b>80,428</b>	<b>88,074</b>	<b>6,591</b>	<b>17.2</b>	<b>113,061</b>	<b>121,950</b>
<b>The Province, 1943.</b>	<b>601,000</b>	<b>22.0</b>	<b>13,222,000</b>	<b>14,148,000</b>	<b>37,800</b>	<b>16.8</b>	<b>635,000</b>	<b>673,000</b>

## OATS AND BARLEY

TABLE VIII.—Showing by County Municipalities of Ontario the area, produce and market value of Oats and Barley for the year 1943.

Counties and Districts	Oats				Barley			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				\$				\$
Brant.....	20,271	13.0	263,523	147,573	2,599	14.3	37,166	24,158
Elgin.....	24,500	12.2	298,900	170,373	1,813	16.0	29,008	19,435
Essex.....	45,108	20.0	902,160	523,253	5,163	20.0	103,260	68,152
Haldimand.....	21,292	15.2	323,638	181,237	2,514	16.1	40,475	25,904
Kent.....	39,858	22.0	876,876	482,282	9,330	22.2	207,126	140,846
Lambton.....	44,052	15.3	673,996	363,958	9,009	15.3	137,838	93,730
Lincoln.....	13,152	19.2	252,518	136,360	484	20.2	9,777	6,453
Middlesex.....	47,096	18.4	866,566	467,946	10,486	19.1	200,283	134,190
Norfolk.....	25,946	17.5	454,055	249,730	1,462	18.0	26,316	17,368
Oxford.....	31,280	18.2	569,296	307,420	5,046	18.1	91,333	59,366
Welland.....	13,598	17.2	233,886	130,976	796	15.2	12,099	7,864
Wentworth.....	22,822	21.0	479,262	263,594	2,514	20.0	50,280	32,179
<b>Southern Ontario</b>	<b>348,975</b>	<b>17.8</b>	<b>6,194,676</b>	<b>3,424,702</b>	<b>51,216</b>	<b>18.5</b>	<b>944,961</b>	<b>629,645</b>
Bruce.....	50,565	32.6	1,646,951	889,354	12,108	31.1	376,761	241,127
Dufferin.....	22,682	30.1	682,728	362,806	5,774	27.0	155,898	101,333
Grey.....	66,029	32.2	2,126,134	1,156,851	18,298	26.5	484,897	310,334
Halton.....	16,946	21.3	360,950	209,351	3,588	15.6	55,973	36,942
Huron.....	46,859	20.8	974,667	526,574	21,884	21.1	461,752	295,521
Peel.....	16,435	20.0	328,700	172,924	6,350	20.0	127,000	81,080
Perth.....	56,774	24.5	1,390,963	751,300	19,164	24.0	459,936	296,958
Simcoe.....	61,348	32.7	2,006,080	1,083,283	14,311	25.9	370,655	240,926
Waterloo.....	32,846	25.7	844,142	458,954	5,383	24.5	131,884	84,406
Wellington.....	42,284	26.6	1,124,754	596,320	8,671	25.4	220,243	140,956
<b>Western Ontario</b>	<b>412,768</b>	<b>27.8</b>	<b>11,486,069</b>	<b>6,207,717</b>	<b>115,531</b>	<b>24.6</b>	<b>2,844,999</b>	<b>1,829,583</b>
Durham.....	30,364	20.9	634,608	374,419	3,441	17.3	59,529	38,694
Haliburton.....	5,495	19.8	108,801	65,281	188	20.0	3,760	2,670
Hastings.....	51,241	29.2	1,496,237	852,855	4,892	22.7	111,044	77,731
Muskoka.....	7,176	25.0	179,400	107,640	309	28.2	8,714	6,187
Northumberland.....	37,764	25.6	966,758	541,384	3,011	23.3	70,156	48,408
Ontario.....	30,211	17.0	513,587	282,473	8,446	17.3	146,116	94,975
Parry Sound.....	15,270	25.3	386,331	227,935	1,111	26.1	28,997	20,588
Peterborough.....	24,424	19.4	473,826	265,343	2,033	15.9	32,325	21,011
Prince Edward.....	13,311	25.0	332,775	193,010	2,401	21.5	51,622	34,070
Victoria.....	27,211	19.2	522,451	287,348	7,701	19.0	146,319	98,033
York.....	43,427	21.0	1,346,237	726,968	12,696	27.3	346,600	228,756
<b>Central Ontario</b>	<b>285,894</b>	<b>24.3</b>	<b>6,961,011</b>	<b>3,924,656</b>	<b>46,229</b>	<b>21.7</b>	<b>1,005,182</b>	<b>671,123</b>
Carleton.....	41,113	25.0	1,027,825	565,304	8,164	24.5	200,018	132,012
Dundas.....	12,426	24.0	298,224	164,023	4,164	25.4	105,766	68,748
Frontenac.....	13,043	26.6	346,944	190,819	1,334	23.3	31,082	20,203
Glengarry.....	25,441	22.3	567,334	329,054	5,276	23.0	121,348	81,303
Grenville.....	17,104	21.0	359,184	197,551	1,131	22.3	25,221	17,402
Lenark.....	21,167	27.3	577,859	312,044	3,269	26.4	86,302	58,685
Leeds.....	32,671	18.4	601,146	318,607	1,608	20.3	32,642	21,870
Lennox & Addington	28,773	23.7	681,920	354,598	3,014	20.0	60,280	40,990
Prescott.....	39,364	20.0	787,280	433,004	5,472	20.0	109,440	71,136
Renfrew.....	43,189	29.0	1,252,481	688,865	7,262	28.1	204,062	140,803
Russell.....	27,736	27.3	757,193	401,312	3,180	27.0	85,860	60,102
Stormont.....	17,386	25.0	434,650	239,058	3,147	25.0	78,675	53,499
<b>Eastern Ontario</b>	<b>319,413</b>	<b>24.1</b>	<b>7,692,040</b>	<b>4,194,239</b>	<b>47,021</b>	<b>24.3</b>	<b>1,140,696</b>	<b>766,753</b>
Algoma.....	13,029	23.0	299,667	176,804	2,053	20.0	41,060	28,742
Cochrane.....	11,014	32.2	354,651	202,151	2,286	31.7	72,466	52,900
Kenora.....	2,714	26.3	71,378	39,972	1,512	27.0	40,824	27,760
Manitoulin.....	5,207	30.0	156,210	90,602	813	29.0	23,577	17,447
Nipissing.....	14,995	31.2	467,844	257,314	1,811	30.3	54,873	37,314
Rainy River.....	5,745	29.2	167,754	93,942	3,988	26.8	106,878	71,608
Sudbury.....	12,758	22.6	288,331	164,348	1,804	22.0	39,688	28,972
Thunder Bay.....	4,557	21.7	98,887	54,388	1,393	21.0	29,253	21,647
Timiskaming.....	19,931	22.0	438,482	241,165	3,343	21.7	72,543	51,506
<b>Northern Ontario</b>	<b>89,950</b>	<b>26.1</b>	<b>2,343,204</b>	<b>1,320,686</b>	<b>19,003</b>	<b>25.3</b>	<b>481,162</b>	<b>337,896</b>
<b>The Province, 1943.</b>	<b>1,457,000</b>	<b>23.8</b>	<b>34,677,000</b>	<b>19,072,000</b>	<b>279,000</b>	<b>23.0</b>	<b>6,417,000</b>	<b>4,235,000</b>

PEAS AND BEANS

TABLE IX.—Showing by County Municipalities of Ontario the area, produce and market value of Peas and Beans for the year 1943.

Counties and Districts	Peas				Beans			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
Brant.....	114	15.2	1,733	\$ 3,379	152	15.0	2,280	\$ 4,560
Elgin.....	212	14.5	3,074	5,964	8,152	15.6	127,171	254,342
Essex.....	56	14.8	829	1,600	1,420	16.0	22,720	47,691
Haldimand.....	84	14.1	1,184	2,321	31	15.3	474	939
Kent.....	80	14.0	1,120	2,173	27,326	17.1	467,275	1,028,005
Lambton.....	468	15.3	7,160	14,105	3,491	16.0	55,856	117,298
Lincoln.....	10	15.1	151	291	28	16.1	451	902
Middlesex.....	438	16.2	7,096	14,050	7,290	16.5	120,031	249,061
Norfolk.....	8	15.4	123	242	111	15.6	1,732	3,464
Oxford.....	94	16.7	1,570	3,077	246	17.5	4,305	8,610
Welland.....	5	13.5	68	131	103	14.1	1,452	2,831
Wentworth.....	161	14.0	2,254	4,350	84	15.4	1,294	2,536
<b>Southern Ontario</b>	<b>1,730</b>	<b>15.2</b>	<b>26,362</b>	<b>51,683</b>	<b>48,434</b>	<b>16.6</b>	<b>805,041</b>	<b>1,720,239</b>
Bruce.....	1,887	18.0	33,966	66,573	114	19.3	2,200	4,620
Dufferin.....	964	19.0	18,316	35,899	3	18.3	55	110
Grey.....	1,985	19.8	39,303	76,641	135	17.6	2,376	4,895
Halton.....	9	16.7	150	296	19	16.2	308	631
Huron.....	762	20.1	15,316	30,326	15,481	18.5	286,361	629,994
Peel.....	234	15.1	3,533	6,995	90	15.8	1,422	2,958
Perth.....	834	17.8	14,845	28,651	586	17.5	10,255	20,510
Simcoe.....	1,816	18.4	33,414	63,486	88	18.8	1,654	3,308
Waterloo.....	166	16.1	2,673	5,105	130	16.8	2,184	4,368
Wellington.....	996	17.5	17,430	33,988	66	17.7	1,168	2,394
<b>Western Ontario</b>	<b>9,653</b>	<b>18.5</b>	<b>178,946</b>	<b>347,960</b>	<b>16,712</b>	<b>18.4</b>	<b>307,983</b>	<b>673,788</b>
Durham.....	1,742	14.7	25,630	50,747	296	15.3	4,529	9,511
Haliburton.....	30	12.4	372	744	4	12.6	50	108
Hastings.....	114	15.1	1,721	3,442	41	15.4	631	1,325
Muskoka.....	30	16.4	492	969	2	16.7	33	71
Northumberland.....	251	15.0	3,765	7,530	314	15.3	4,804	10,184
Ontario.....	312	17.0	5,304	10,608	80	16.4	1,312	2,768
Parry Sound.....	222	14.6	3,241	6,482	8	14.1	113	240
Peterborough.....	321	15.3	4,911	9,724	54	15.6	842	1,768
Prince Edward.....	186	15.0	2,790	5,468	146	16.0	2,336	4,929
Victoria.....	492	15.7	7,724	15,294	64	15.1	966	2,028
York.....	231	18.6	4,297	8,594	201	17.8	3,578	7,693
<b>Central Ontario</b>	<b>3,931</b>	<b>15.3</b>	<b>60,247</b>	<b>119,602</b>	<b>1,210</b>	<b>15.9</b>	<b>19,194</b>	<b>40,625</b>
Carleton.....	1,394	17.6	24,534	51,521	178	16.9	3,008	6,407
Dundas.....	12	14.1	169	352	30	14.4	432	916
Frontenac.....	11	15.3	168	354	38	16.1	612	1,310
Glenarry.....	48	13.8	662	1,390	79	14.5	1,146	2,430
Grenville.....	30	12.8	384	814	401	11.9	4,772	10,212
Lanark.....	761	14.4	10,958	23,341	44	15.3	673	1,447
Leeds.....	73	14.2	1,037	2,261	49	15.0	735	1,566
Lennox & Addington.....	150	15.1	2,265	4,847	101	14.8	1,495	3,154
Prescott.....	811	15.2	12,327	26,750	128	15.7	2,010	4,261
Renfrew.....	10,363	14.4	149,191	329,767	230	15.1	3,473	7,293
Russell.....	301	16.2	4,876	10,532	166	15.2	2,523	5,298
Stormont.....	54	13.4	456	990	68	14.8	1,006	2,133
<b>Eastern Ontario</b>	<b>14,008</b>	<b>14.8</b>	<b>207,027</b>	<b>452,919</b>	<b>1,512</b>	<b>14.5</b>	<b>21,885</b>	<b>46,427</b>
Algoma.....	544	14.1	7,670	16,107	14	13.8	193	400
Cochrane.....	471	15.0	7,065	14,978	8	14.4	115	242
Kenora.....	41	14.7	603	1,254	2	14.0	28	59
Manitoulin.....	224	16.5	3,696	7,651	8	15.7	126	260
Nipissing.....	254	15.8	4,013	8,467	27	15.0	405	834
Rainy River.....	54	15.0	810	1,701	24	14.7	353	731
Sudbury.....	426	13.3	5,665	11,896	20	13.0	260	533
Thunder Bay.....	160	14.6	2,336	4,906	5	14.1	71	146
Timiskaming.....	504	15.0	7,560	15,876	24	14.4	346	716
<b>Northern Ontario</b>	<b>2,678</b>	<b>14.7</b>	<b>39,418</b>	<b>82,836</b>	<b>132</b>	<b>14.4</b>	<b>1,897</b>	<b>3,921</b>
<b>The Province, 1943</b>	<b>32,000</b>	<b>16.0</b>	<b>512,000</b>	<b>1,055,000</b>	<b>68,000</b>	<b>17.0</b>	<b>1,156,000</b>	<b>2,485,000</b>

## RYE AND BUCKWHEAT

TABLE X.—Showing by County Municipalities of Ontario the area, produce and market value of Rye and Buckwheat for the year 1943.

Counties and Districts	Rye				Buckwheat			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
Brant.....	3,505	15.5	54,328	\$ 45,636	2,512	20.1	50,491	\$ 37,363
Elgin.....	3,917	16.4	64,239	55,888	7,116	19.6	139,474	107,395
Essex.....	517	18.0	9,306	8,189	616	21.3	13,121	9,841
Haldimand.....	93	17.0	1,581	1,360	1,527	23.1	35,274	27,866
Kent.....	1,256	18.0	22,608	19,669	2,426	21.7	52,644	40,009
Lambton.....	698	17.8	12,424	10,809	1,522	20.1	30,592	22,944
Lincoln.....	122	17.5	2,135	1,836	232	19.1	4,431	3,367
Middlesex.....	1,042	18.0	18,756	16,318	5,237	20.6	107,882	80,912
Norfolk.....	12,236	18.3	223,919	195,330	2,974	20.2	60,075	45,056
Oxford.....	3,256	17.0	55,352	46,496	3,651	20.1	73,385	55,039
Welland.....	308	15.7	4,836	4,159	1,128	20.8	23,462	17,596
Wentworth.....	411	15.3	6,288	5,282	1,821	23.0	41,883	31,412
<b>Southern Ontario</b>	<b>27,361</b>	<b>17.4</b>	<b>475,772</b>	<b>410,972</b>	<b>30,762</b>	<b>20.6</b>	<b>632,714</b>	<b>478,800</b>
Bruce.....	224	17.3	3,875	3,216	2,524	23.0	58,052	42,378
Dufferin.....	1,278	15.3	19,553	15,642	1,958	22.8	44,642	33,928
Grey.....	208	16.7	3,474	2,918	2,302	20.9	48,112	34,641
Halton.....	217	17.2	3,732	3,098	484	21.8	10,551	8,018
Huron.....	235	17.9	4,206	3,575	6,099	20.9	127,469	91,778
Peel.....	753	16.2	12,198	10,246	1,212	21.2	25,694	18,500
Perth.....	496	17.3	8,580	7,379	4,349	23.4	101,767	74,290
Simcoe.....	3,463	16.2	56,100	47,124	12,636	24.2	306,337	228,626
Waterloo.....	432	17.4	7,516	6,388	914	22.2	20,291	15,015
Wellington.....	568	15.9	9,031	7,767	5,661	22.3	126,240	94,680
<b>Western Ontario</b>	<b>7,874</b>	<b>16.3</b>	<b>128,265</b>	<b>107,353</b>	<b>38,139</b>	<b>22.8</b>	<b>869,155</b>	<b>641,854</b>
Durham.....	4,305	12.5	53,812	46,664	7,952	21.3	169,378	123,646
Haliburton.....	411	12.1	4,973	4,376	190	19.8	3,762	2,784
Hastings.....	2,515	16.8	42,252	36,337	5,411	24.6	133,111	99,833
Muskoka.....	44	14.2	624	530	160	23.7	3,792	2,844
Northumberland.....	6,818	17.4	118,664	104,678	10,627	24.6	261,924	191,205
Ontario.....	2,480	15.0	37,200	32,992	8,441	23.7	200,338	148,429
Parry Sound.....	96	14.2	1,363	1,186	196	21.3	4,175	3,006
Peterborough.....	1,023	13.8	14,117	11,858	2,038	24.1	49,166	35,891
Prince Edward.....	2,817	16.8	47,326	41,227	4,061	23.4	95,027	68,419
Victoria.....	1,283	16.2	20,784	18,666	6,884	24.0	165,216	117,303
York.....	1,391	17.0	23,647	20,573	5,874	23.6	138,626	98,424
<b>Central Ontario</b>	<b>23,183</b>	<b>15.7</b>	<b>364,762</b>	<b>319,087</b>	<b>51,834</b>	<b>23.6</b>	<b>1,224,515</b>	<b>891,784</b>
Carleton.....	163	15.2	2,477	1,932	4,096	22.1	90,522	68,797
Dundas.....	188	15.7	2,952	2,362	1,821	23.6	42,976	31,372
Frontenac.....	281	16.8	4,721	3,682	362	22.0	7,964	5,973
Glenarry.....	119	16.1	1,916	1,514	2,186	18.2	39,785	30,634
Grenville.....	88	16.0	1,408	1,098	4,312	22.3	96,158	72,118
Lanark.....	202	15.6	3,151	2,552	7,447	23.0	171,281	130,174
Leeds.....	103	17.0	1,751	1,453	2,677	21.1	56,485	41,234
Lennox & Addington.....	776	15.0	11,640	9,312	3,016	22.9	69,066	50,418
Prescott.....	198	15.3	3,029	2,453	1,764	20.2	35,633	26,012
Renfrew.....	2,617	15.6	40,825	32,878	5,363	24.3	130,321	96,438
Russell.....	188	16.0	3,008	2,467	1,545	22.6	34,917	25,489
Stormont.....	131	15.1	1,978	1,642	1,902	22.3	42,415	32,660
<b>Eastern Ontario</b>	<b>5,054</b>	<b>15.6</b>	<b>78,856</b>	<b>63,345</b>	<b>36,491</b>	<b>22.4</b>	<b>817,523</b>	<b>611,319</b>
Algoma.....	101	16.0	1,616	1,422	160	19.6	3,136	2,226
Cochrane.....	68	15.1	1,026	882	14	18.4	258	186
Kenora.....	16	14.2	227	197	10	18.3	183	128
Manitoulin.....	69	15.3	1,056	898	368	20.0	7,360	5,373
Nipissing.....	58	16.8	974	838	348	18.9	6,577	4,604
Rainy River.....	18	15.5	279	237	114	19.4	2,212	1,571
Sudbury.....	142	16.0	2,272	1,999	466	18.6	8,668	6,068
Thunder Bay.....	50	16.1	805	692	84	19.1	1,604	1,139
Timiskaming.....	6	15.0	90	78	210	19.5	4,095	2,948
<b>Northern Ontario</b>	<b>528</b>	<b>15.8</b>	<b>8,345</b>	<b>7,243</b>	<b>1,774</b>	<b>19.2</b>	<b>34,093</b>	<b>24,243</b>
<b>The Province, 1943.</b>	<b>64,000</b>	<b>16.5</b>	<b>1,056,000</b>	<b>908,000</b>	<b>159,000</b>	<b>22.5</b>	<b>3,578,000</b>	<b>2,648,000</b>



FLAX AND MIXED GRAINS

TABLE XI.—Showing by County Municipalities of Ontario the area, produce and market value of Flax and Mixed Grains for the year 1943.

Counties and Districts	Flax				Mixed Grains			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
Brant.....	34	8.5	289	\$ 532	14,355	12.5	179,438	\$ 105,868
Elgin.....	136	8.8	1,197	2,226	12,536	12.1	151,686	91,012
Essex.....	158	8.6	1,359	2,514	1,247	18.4	22,945	13,996
Haldimand.....	41	8.0	328	600	6,530	12.7	82,931	48,100
Kent.....	86	10.0	860	1,582	7,212	20.1	144,961	81,178
Lambton.....	444	9.3	4,129	7,639	12,988	14.4	187,027	104,735
Lincoln.....	36	10.0	360	662	1,686	18.6	31,360	17,875
Middlesex.....	46	10.0	460	851	27,600	17.3	477,480	272,163
Norfolk.....	37	10.0	370	681	4,465	16.1	71,887	40,976
Oxford.....	101	9.3	939	1,737	52,582	18.4	967,509	561,155
Welland.....	2	9.0	18	33	1,063	15.5	16,477	9,556
Wentworth.....	28	10.0	280	512	16,661	18.6	309,895	173,541
<b>Southern Ontario</b>	<b>1,149</b>	<b>9.2</b>	<b>10,589</b>	<b>19,569</b>	<b>158,925</b>	<b>16.6</b>	<b>2,643,596</b>	<b>1,520,155</b>
Bruce.....	1,931	9.0	17,379	31,804	41,321	31.8	1,314,008	748,985
Dufferin.....	38	11.0	418	748	35,820	28.6	1,024,452	594,182
Grey.....	194	10.5	2,037	3,728	55,912	29.9	1,670,951	949,023
Halton.....	264	8.8	2,323	4,181	12,423	18.3	227,341	138,678
Huron.....	2,200	10.6	23,320	42,909	57,486	20.1	1,155,469	647,963
Peel.....	66	10.0	660	1,201	21,730	19.0	412,870	225,950
Perth.....	1,078	10.0	10,780	19,835	88,693	23.4	2,075,605	1,161,583
Simcoe.....	111	10.3	1,143	2,092	37,078	22.6	837,963	477,639
Waterloo.....	312	10.0	3,120	5,741	31,314	25.4	795,376	457,456
Wellington.....	466	10.3	4,800	8,784	77,062	24.4	1,880,313	1,052,986
<b>Western Ontario</b>	<b>6,660</b>	<b>9.9</b>	<b>65,980</b>	<b>121,023</b>	<b>458,839</b>	<b>24.8</b>	<b>11,394,348</b>	<b>6,454,445</b>
Durham.....	18	9.0	162	301	22,920	23.0	527,160	326,839
Haliburton.....	16	9.0	144	271	116	18.1	2,100	1,323
Hastings.....	22	9.5	209	387	8,319	25.3	210,471	124,178
Muskoka.....	4	9.0	36	67	431	23.6	10,172	6,408
Northumberland.....	96	10.0	960	1,805	13,564	19.7	267,211	154,982
Ontario.....	156	10.0	1,560	2,933	43,888	18.1	794,373	460,736
Parry Sound.....	14	8.8	123	230	1,155	23.6	27,258	16,627
Peterborough.....	58	9.0	52	96	4,292	21.1	90,561	52,525
Prince Edward.....	36	9.0	324	599	5,153	24.3	125,218	75,131
Victoria.....	170	9.4	1,598	2,972	20,547	18.6	382,174	221,661
York.....	94	10.5	987	1,826	38,146	30.6	1,167,268	700,360
<b>Central Ontario..</b>	<b>684</b>	<b>9.0</b>	<b>6,155</b>	<b>11,487</b>	<b>158,531</b>	<b>22.7</b>	<b>3,603,966</b>	<b>2,140,770</b>
Carleton.....	2,255	9.5	21,423	40,204	20,108	26.4	530,851	323,819
Dundas.....	72	9.0	648	1,225	21,645	22.2	480,519	293,116
Frontenac.....	54	8.8	475	903	3,575	21.0	75,075	46,546
Glangarry.....	4,661	9.9	45,996	86,214	2,826	21.5	60,759	38,278
Grenville.....	22	9.0	198	376	5,918	19.3	114,217	71,957
Lanark.....	104	10.5	1,092	2,108	10,917	28.1	306,768	196,331
Leeds.....	16	8.0	128	250	5,428	18.5	100,418	64,267
Lennox & Addington.....	61	8.6	525	1,019	10,428	20.0	208,560	133,478
Prescott.....	2,241	10.2	22,858	42,930	3,231	15.6	50,404	31,250
Renfrew.....	1,581	9.0	14,229	26,604	3,559	24.3	86,484	54,485
Russell.....	1,562	10.0	15,620	28,834	6,562	25.4	166,675	100,005
Stormont.....	98	9.0	882	1,702	10,270	25.0	256,750	161,753
<b>Eastern Ontario..</b>	<b>12,727</b>	<b>9.7</b>	<b>124,074</b>	<b>232,369</b>	<b>104,467</b>	<b>23.3</b>	<b>2,437,480</b>	<b>1,515,285</b>
Algoma.....	26	7.0	182	324	2,629	20.0	52,580	36,600
Cochrane.....	15	6.0	90	161	1,062	22.1	23,470	14,082
Kenora.....	20	7.5	150	268	711	30.0	21,330	12,798
Manitoulin.....	24	8.0	192	336	2,520	22.5	56,700	35,154
Nipissing.....	19	8.0	152	271	916	28.8	26,381	15,828
Rainy River.....	2,562	10.5	26,901	47,884	316	30.6	9,670	5,802
Sudbury.....	61	6.5	397	703	1,055	27.1	28,591	17,441
Thunder Bay.....	20	6.0	120	215	615	20.4	12,546	7,528
Timiskaming.....	33	6.6	218	390	4,414	21.6	95,342	59,112
<b>Northern Ontario</b>	<b>2,780</b>	<b>10.2</b>	<b>28,402</b>	<b>50,552</b>	<b>14,238</b>	<b>22.9</b>	<b>326,610</b>	<b>204,345</b>
<b>The Province, 1943.</b>	<b>24,000</b>	<b>9.8</b>	<b>235,200</b>	<b>435,000</b>	<b>895,000</b>	<b>22.8</b>	<b>20,406,000</b>	<b>11,835,000</b>

## CORN

TABLE XII.—Showing by County Municipalities of Ontario the area, produce and market value of Corn for husking and for fodder for the year 1943.

Counties and Districts	Corn for Husking				Corn for Silo			
	Acres	Per acre	Bushels (shelled)	Market value	Acres	Per acre	Tons (green)	Market value
				\$				\$
Brant.....	1,333	38.2	50,921	43,996	7,103	7.11	50,502	183,827
Elgin.....	9,106	39.0	355,134	299,378	18,228	9.00	164,052	606,992
Essex.....	52,893	35.4	1,872,412	1,653,340	1,963	8.00	15,704	56,534
Haldimand.....	1,088	36.4	39,603	33,702	2,339	9.11	21,308	77,348
Kent.....	89,809	37.0	3,320,380	2,953,722	11,270	10.80	121,716	450,349
Lambton.....	17,831	35.2	627,651	547,939	18,232	10.67	194,535	721,724
Lincoln.....	890	40.8	36,312	31,010	2,871	8.00	22,968	86,819
Middlesex.....	4,750	40.3	191,425	165,774	28,729	10.00	287,290	1,077,337
Norfolk.....	4,942	36.3	179,395	156,612	5,968	9.00	53,712	200,346
Oxford.....	956	39.4	37,635	31,764	21,467	8.57	183,899	676,748
Welland.....	1,636	37.0	60,532	50,363	2,858	7.41	21,178	78,358
Wentworth.....	185	40.6	7,511	6,324	4,536	10.00	45,360	170,100
<b>Southern Ontario</b>	<b>185,419</b>	<b>36.6</b>	<b>6,778,911</b>	<b>5,973,924</b>	<b>125,564</b>	<b>9.42</b>	<b>1,182,224</b>	<b>4,386,481</b>
Bruce.....	81	35.3	2,859	2,287	4,174	9.33	38,943	120,723
Dufferin.....	86	34.4	2,958	2,396	664	9.90	6,574	19,722
Grey.....	73	33.0	2,409	1,927	5,246	9.30	48,788	146,364
Halton.....	46	30.4	1,398	1,146	3,861	10.50	40,541	123,650
Huron.....	242	36.3	8,745	7,258	8,043	11.10	89,277	267,831
Peel.....	22	33.2	730	599	3,172	11.48	36,415	109,245
Perth.....	88	30.1	2,649	2,146	17,564	11.25	197,595	563,146
Simcoe.....	654	34.8	22,740	18,874	5,535	9.00	49,815	154,426
Waterloo.....	129	36.3	4,683	3,887	9,342	11.00	102,762	316,507
Wellington.....	46	36.2	1,665	1,365	5,548	11.17	61,971	192,110
<b>Western Ontario</b>	<b>1,467</b>	<b>34.7</b>	<b>50,836</b>	<b>41,885</b>	<b>63,149</b>	<b>10.65</b>	<b>672,681</b>	<b>2,013,724</b>
Durham.....	36	35.0	1,260	995	6,386	8.50	54,281	173,699
Haliburton.....	22	28.3	623	505	286	6.41	1,833	7,332
Hastings.....	346	34.2	11,833	9,466	5,776	11.00	63,536	235,083
Muskoka.....	21	32.3	678	560	404	6.75	2,727	11,181
Northumberland.....	298	35.5	10,579	8,463	5,576	9.48	52,860	158,580
Ontario.....	98	36.0	3,528	2,928	7,868	9.16	72,071	198,195
Parry Sound.....	50	30.1	1,500	1,200	416	8.60	3,578	14,312
Peterborough.....	40	33.6	1,344	1,089	4,016	10.00	40,160	150,600
Prince Edward.....	504	36.1	18,194	14,555	2,321	9.14	21,214	63,642
Victoria.....	14	31.2	437	345	3,773	11.00	41,503	114,133
York.....	71	36.5	2,592	2,151	7,891	11.30	89,183	267,549
<b>Central Ontario</b>	<b>1,500</b>	<b>35.0</b>	<b>52,568</b>	<b>42,257</b>	<b>44,713</b>	<b>9.91</b>	<b>442,946</b>	<b>1,394,306</b>
Carleton.....	48	33.1	1,589	1,367	11,140	11.50	128,110	512,440
Dundas.....	126	34.2	4,309	3,620	13,288	10.11	134,342	537,368
Frontenac.....	248	33.2	8,234	7,081	3,414	11.41	38,954	146,077
Glengarry.....	26	32.1	835	726	3,534	10.53	37,213	148,852
Grenville.....	16	31.8	509	433	4,714	10.00	47,140	176,775
Lanark.....	156	31.4	4,898	4,212	5,324	10.22	54,411	190,438
Leeds.....	261	32.3	8,430	7,166	10,846	10.00	108,460	403,760
Lennox & Addington.....	153	33.2	5,080	4,216	2,981	9.00	26,829	90,340
Prescott.....	170	35.1	5,967	5,132	3,582	9.66	34,602	129,757
Renfrew.....	172	32.1	5,521	4,803	2,731	10.00	27,310	101,047
Russell.....	60	32.5	1,950	1,560	6,267	10.46	65,553	249,901
Stormont.....	36	32.8	1,181	945	4,806	10.74	51,616	196,141
<b>Eastern Ontario</b>	<b>1,472</b>	<b>33.0</b>	<b>48,503</b>	<b>41,261</b>	<b>72,627</b>	<b>10.38</b>	<b>754,540</b>	<b>2,882,896</b>
Algoma.....	8	29.1	233	205	206	9.14	1,883	8,474
Cochrane.....	6	26.3	158	137	13	8.88	115	518
Kenora.....	3	22.2	67	60	15	7.63	114	536
Manitoulin.....	20	33.0	660	581	376	9.40	3,534	14,136
Nipissing.....	20	30.0	600	528	170	9.00	1,530	6,885
Rainy River.....	49	29.2	1,431	1,259	38	8.46	321	1,284
Sudbury.....	22	29.6	651	572	96	8.52	818	3,436
Thunder Bay.....	10	27.0	270	235	5	8.46	42	189
Timiskaming.....	4	28.1	112	96	28	9.00	252	1,134
<b>Northern Ontario</b>	<b>142</b>	<b>29.5</b>	<b>4,182</b>	<b>3,673</b>	<b>947</b>	<b>9.09</b>	<b>8,609</b>	<b>36,592</b>
<b>The Province, 1943.</b>	<b>190,000</b>	<b>36.5</b>	<b>6,935,000</b>	<b>6,103,000</b>	<b>307,000</b>	<b>9.97</b>	<b>3,061,000</b>	<b>10,714,900</b>

POTATOES AND TURNIPS

TABLE XIII.—Showing by County Municipalities of Ontario the area, produce and market value of Potatoes and Turnips for the year 1943.

Counties and Districts	Potatoes				Turnips			
	Acres	Per acre	Hundred Weight	Market value	Acres	Per acre	Bushels	Market value
Brant.....	1,974	61.0	120,414	\$ 272,826	702	441	309,582	\$ 68,108
Elgin.....	1,781	56.2	100,092	235,092	33	448	14,784	3,254
Essex.....	4,511	71.2	321,183	755,007	24	456	10,944	2,408
Haldimand.....	592	50.3	29,777	70,205	6	451	2,706	595
Kent.....	1,852	72.7	134,640	312,435	10	449	4,490	988
Lambton.....	1,535	73.0	112,055	255,365	45	453	20,385	4,485
Lincoln.....	585	45.0	26,325	61,478	8	450	3,600	792
Middlesex.....	4,318	69.4	299,669	706,970	845	446	376,560	82,843
Norfolk.....	2,016	68.5	138,096	313,245	101	451	45,551	10,021
Oxford.....	1,511	58.1	87,789	206,443	3,123	440	1,376,612	302,855
Welland.....	912	59.1	53,899	125,040	14	447	6,258	1,377
Wentworth.....	4,335	72.5	314,288	743,965	570	450	256,500	56,430
<b>Southern Ontario</b>	<b>25,922</b>	<b>67.1</b>	<b>1,738,227</b>	<b>4,058,071</b>	<b>5,481</b>	<b>443</b>	<b>2,427,972</b>	<b>534,156</b>
Bruce.....	2,411	55.6	134,052	298,354	3,202	446	1,427,698	323,371
Dufferin.....	3,143	54.8	172,236	369,396	701	447	313,347	72,070
Grey.....	3,127	75.0	234,525	509,701	1,726	444	766,700	176,340
Halton.....	1,274	48.7	62,044	134,152	401	443	177,658	40,860
Huron.....	1,943	40.9	79,468	177,902	2,712	445	1,207,688	277,768
Peel.....	2,472	78.7	194,546	425,678	288	444	127,888	29,414
Perth.....	1,803	50.3	90,691	202,946	2,341	444	1,038,768	238,917
Simcoe.....	8,322	81.3	676,312	1,495,718	2,360	446	1,052,000	241,960
Waterloo.....	2,633	35.3	92,945	208,343	2,927	441	1,291,296	296,698
Wellington.....	4,488	63.9	286,783	634,747	3,014	443	1,336,300	307,269
<b>Western Ontario</b>	<b>31,616</b>	<b>64.0</b>	<b>2,023,602</b>	<b>4,456,937</b>	<b>19,672</b>	<b>444</b>	<b>8,739,343</b>	<b>2,004,667</b>
Durham.....	2,337	63.7	148,867	329,750	712	452	321,824	74,020
Haliburton.....	322	54.2	17,452	39,112	36	449	16,164	3,718
Hastings.....	2,972	66.5	197,638	434,966	346	448	155,008	35,652
Muskoka.....	500	64.7	32,350	72,408	172	450	77,400	17,802
Northumberland.....	2,848	66.6	189,676	414,759	946	447	422,862	97,258
Ontario.....	3,611	78.7	284,186	629,397	2,991	446	1,334,129	306,850
Parry Sound.....	1,141	90.0	102,690	225,918	310	444	137,640	31,657
Peterborough.....	1,727	67.0	115,709	256,006	601	445	267,445	61,512
Prince Edward.....	981	75.0	73,575	160,884	22	446	9,812	2,257
Victoria.....	1,184	59.2	70,093	149,658	1,336	444	593,184	136,432
York.....	4,334	57.9	250,939	538,682	3,089	445	1,374,605	316,159
<b>Central Ontario</b>	<b>21,957</b>	<b>67.5</b>	<b>1,483,175</b>	<b>3,251,540</b>	<b>10,561</b>	<b>446</b>	<b>4,710,073</b>	<b>1,083,317</b>
Carleton.....	4,576	60.0	274,560	640,640	484	356	173,016	41,524
Dundas.....	917	53.7	49,242	108,334	16	352	5,632	1,352
Frontenac.....	1,506	77.1	116,113	269,382	50	358	17,900	4,296
Glengarry.....	1,032	54.8	56,554	131,838	66	355	23,430	5,623
Grenville.....	1,245	52.0	64,740	146,885	46	358	16,468	3,952
Lanark.....	1,404	50.2	70,481	162,737	110	357	39,627	9,510
Leeds.....	1,742	54.0	94,068	216,984	190	359	68,210	16,370
Lennox & Addington.....	2,227	49.8	110,905	260,256	46	352	16,192	3,886
Prescott.....	1,467	38.4	56,333	131,443	58	353	20,474	4,914
Renfrew.....	3,456	57.4	198,374	455,336	75	356	27,056	6,493
Russell.....	3,712	50.4	187,085	414,080	247	358	88,784	21,308
Stormont.....	1,096	54.5	59,732	138,452	39	359	14,001	3,360
<b>Eastern Ontario</b>	<b>24,380</b>	<b>54.9</b>	<b>1,338,187</b>	<b>3,076,367</b>	<b>1,427</b>	<b>358</b>	<b>510,790</b>	<b>122,588</b>
Algonia.....	1,085	93.0	100,905	242,172	321	330	105,930	28,601
Cochrane.....	1,988	112.5	223,650	530,796	211	330	69,630	18,800
Kenora.....	497	56.2	27,931	67,095	22	328	7,216	1,948
Manitoulin.....	371	61.2	22,705	56,612	96	331	31,776	8,580
Nipissing.....	1,578	49.2	77,638	193,576	351	334	117,234	31,653
Rainy River.....	372	62.3	23,176	57,121	140	326	45,640	12,323
Sudbury.....	2,721	100.0	272,100	627,486	246	334	82,164	22,184
Thunder Bay.....	2,363	49.6	117,204	279,587	276	331	91,356	24,666
Timiskaming.....	1,150	90.0	103,500	245,640	196	331	64,876	17,517
<b>Northern Ontario</b>	<b>12,125</b>	<b>79.9</b>	<b>968,809</b>	<b>2,300,085</b>	<b>1,859</b>	<b>331</b>	<b>615,822</b>	<b>166,272</b>
<b>The Province, 1943.</b>	<b>116,000</b>	<b>65.1</b>	<b>7,552,000</b>	<b>17,143,000</b>	<b>39,000</b>	<b>436</b>	<b>17,004,000</b>	<b>3,911,000</b>

## ALSIKE AND SWEET CLOVER

TABLE XIV.—Showing by County Municipalities of Ontario the area, produce and market value of Alsike and Sweet Clover for the year 1943.

Counties and Districts	Alsike				Sweet Clover			
	Acres	Per acre	Tons	Market value	Acres	Per acre	Tons	Market value
				\$				\$
Brant.....	319	1.54	491	4,468	1,798	2.28	4,099	26,234
Elgin.....	962	1.50	1,443	13,246	4,893	2.22	10,862	70,603
Essex.....	493	1.56	769	7,290	7,974	2.20	17,543	113,678
Haldimand.....	1,866	1.57	2,930	28,011	3,074	2.26	6,947	44,878
Kent.....	1,268	1.60	2,029	19,032	5,984	2.24	13,420	87,230
Lambton.....	464	1.66	770	7,130	6,242	2.23	13,920	88,810
Lincoln.....	981	1.52	1,491	14,090	1,149	2.18	2,505	16,032
Middlesex.....	934	1.68	1,569	14,796	5,731	2.19	12,551	80,828
Norfolk.....	630	1.61	1,014	9,613	3,914	2.30	9,002	57,793
Oxford.....	497	1.69	839	7,853	3,954	2.27	8,976	57,267
Welland.....	684	1.50	1,026	9,696	2,041	2.18	4,449	28,162
Wentworth.....	588	1.68	988	9,366	2,144	2.24	4,803	30,499
<b>Southern Ontario</b>	<b>9,686</b>	<b>1.59</b>	<b>15,359</b>	<b>144,591</b>	<b>48,898</b>	<b>2.23</b>	<b>109,077</b>	<b>702,014</b>
Bruce.....	2,796	1.64	4,602	40,268	12,380	2.23	27,607	173,544
Dufferin.....	676	1.53	1,034	9,058	5,644	2.18	12,304	76,654
Grey.....	2,177	1.50	3,266	28,251	8,538	2.27	19,381	121,713
Halton.....	980	1.48	1,450	12,977	744	2.21	1,644	10,226
Huron.....	1,825	1.50	2,738	22,972	9,844	2.25	22,149	138,874
Peel.....	1,496	1.51	2,259	19,902	3,140	2.20	6,908	43,175
Perth.....	635	1.60	1,016	9,044	6,281	2.23	14,007	87,544
Simcoe.....	4,086	1.51	6,170	52,445	7,842	2.26	17,723	111,123
Waterloo.....	326	1.66	541	4,734	3,993	2.19	8,745	54,744
Wellington.....	573	1.56	894	8,406	7,937	2.24	17,779	111,387
<b>Western Ontario</b>	<b>15,570</b>	<b>1.54</b>	<b>23,970</b>	<b>207,697</b>	<b>66,343</b>	<b>2.23</b>	<b>148,247</b>	<b>928,984</b>
Durham.....	1,064	1.34	1,426	11,878	4,278	2.20	9,412	53,648
Haliburton.....	81	1.30	105	918	323	2.06	665	3,824
Hastings.....	1,367	1.38	1,886	15,748	5,827	2.12	12,353	70,412
Muskoka.....	48	1.36	65	559	141	2.00	282	1,607
Northumberland.....	1,088	1.41	1,534	12,886	5,857	2.17	12,710	73,083
Ontario.....	824	1.38	1,137	9,380	4,116	2.22	9,138	52,087
Parry Sound.....	202	1.36	275	2,255	288	2.00	576	3,283
Peterborough.....	547	1.38	755	6,493	4,185	2.21	9,249	53,644
Prince Edward.....	1,051	1.50	1,577	13,404	5,040	2.22	11,189	64,336
Victoria.....	1,073	1.50	1,610	13,202	4,158	2.14	8,898	51,608
York.....	3,088	1.44	4,463	36,820	5,380	2.14	11,513	66,200
<b>Central Ontario</b>	<b>10,433</b>	<b>1.42</b>	<b>14,833</b>	<b>123,543</b>	<b>39,593</b>	<b>2.17</b>	<b>85,985</b>	<b>493,732</b>
Carleton.....	989	1.50	1,484	17,808	2,674	2.16	5,776	40,432
Dundas.....	613	1.51	926	10,186	1,513	2.12	3,208	24,124
Frontenac.....	848	1.43	1,213	13,343	1,801	2.09	3,764	27,477
Glenarry.....	934	1.45	1,354	14,556	2,274	2.14	4,866	35,035
Grenville.....	414	1.48	613	6,743	1,818	2.17	3,945	29,588
Lanark.....	1,171	1.41	1,651	18,906	2,886	2.11	6,089	44,145
Leeds.....	760	1.45	1,102	12,563	1,876	2.04	3,827	28,703
Lennox & Addington.....	841	1.40	1,177	11,770	3,568	2.01	7,172	53,073
Prescott.....	1,496	1.50	2,244	26,030	1,615	2.06	3,327	24,620
Renfrew.....	1,738	1.52	2,642	29,067	3,334	2.08	6,935	52,013
Russell.....	722	1.48	1,069	12,026	1,564	2.15	3,363	25,222
Stormont.....	734	1.51	1,108	13,009	1,241	2.17	2,693	20,198
<b>Eastern Ontario</b>	<b>11,260</b>	<b>1.47</b>	<b>16,583</b>	<b>186,007</b>	<b>26,164</b>	<b>2.10</b>	<b>54,965</b>	<b>404,630</b>
Algoma.....	109	1.50	164	1,968	363	1.98	719	5,968
Cochrane.....	222	1.45	322	4,186	348	1.92	668	5,611
Kenora.....	514	1.41	725	9,425	54	1.91	103	860
Manitoulin.....	434	1.48	642	7,704	1,802	1.97	3,550	29,820
Nipissing.....	481	1.38	664	7,968	488	1.93	942	7,913
Rainy River.....	1,086	1.55	1,683	20,196	374	1.90	711	5,937
Sudbury.....	884	1.50	1,326	17,238	1,286	1.98	2,546	21,641
Thunder Bay.....	1,010	1.41	1,424	18,512	603	1.90	1,146	9,626
Timiskaming.....	2,311	1.43	3,305	42,965	684	1.96	1,341	11,264
<b>Northern Ontario</b>	<b>7,051</b>	<b>1.45</b>	<b>10,255</b>	<b>130,162</b>	<b>6,002</b>	<b>1.95</b>	<b>11,726</b>	<b>98,640</b>
<b>The Province, 1943</b>	<b>54,000</b>	<b>1.50</b>	<b>81,000</b>	<b>792,000</b>	<b>187,000</b>	<b>2.19</b>	<b>410,000</b>	<b>2,628,000</b>

ALFALFA AND HAY AND CLOVER

TABLE XV.—Showing by County Municipalities of Ontario the area, produce and market value of Alfalfa, Hay and Clover for the year 1943.

Counties and Districts	Alfalfa				Hay and Clover			
	Acres	Per acre	Tons	Market value	Acres	Per acre	Tons	Market value
				\$				\$
Brant.....	9,083	2.88	26,159	244,325	21,056	2.22	46,744	420,696
Elgin.....	15,614	3.10	48,403	489,838	44,103	2.20	97,026	878,085
Essex.....	16,613	2.98	49,507	504,971	18,378	2.00	36,756	339,993
Haldimand.....	34,011	2.65	90,129	901,290	31,145	1.98	61,667	574,120
Kent.....	23,543	2.88	67,804	694,991	24,817	2.20	54,597	507,752
Lambton.....	32,517	2.91	94,624	955,702	48,788	2.09	101,967	936,057
Lincoln.....	19,672	2.68	52,721	538,281	22,007	1.75	38,512	358,162
Middlesex.....	29,189	3.00	87,567	904,567	79,734	2.19	174,617	1,611,715
Norfolk.....	12,916	2.55	32,936	334,630	29,177	2.00	58,354	537,440
Oxford.....	14,496	2.89	41,893	418,930	68,016	2.30	156,436	1,423,568
Welland.....	11,714	2.61	30,574	311,855	36,702	1.38	50,648	468,494
Wentworth.....	13,516	3.11	42,035	430,858	28,811	2.22	63,960	592,909
<b>Southern Ontario</b>	<b>232,884</b>	<b>2.85</b>	<b>664,352</b>	<b>6,730,238</b>	<b>452,734</b>	<b>2.08</b>	<b>941,284</b>	<b>8,648,991</b>
Bruce.....	31,730	2.58	81,863	736,767	109,016	1.88	204,950	1,742,075
Dufferin.....	7,417	2.74	20,323	190,020	63,873	1.98	126,468	1,091,419
Grey.....	50,267	2.69	135,218	1,258,797	135,731	2.17	294,099	2,499,842
Halton.....	18,716	2.90	54,276	540,589	35,468	1.85	65,616	574,140
Huron.....	24,217	2.98	72,167	637,234	94,385	2.12	200,096	1,654,794
Peel.....	27,700	2.67	73,959	665,631	30,849	2.00	61,698	538,624
Perth.....	12,561	2.63	33,035	313,833	83,730	2.06	172,484	1,535,108
Simcoe.....	23,316	2.69	62,720	627,200	94,895	2.04	193,586	1,642,274
Waterloo.....	8,776	2.88	25,275	240,112	43,487	2.13	92,627	787,330
Wellington.....	21,113	2.80	59,116	540,911	108,870	2.02	219,917	1,948,465
<b>Western Ontario</b>	<b>225,813</b>	<b>2.74</b>	<b>617,952</b>	<b>5,751,094</b>	<b>800,304</b>	<b>2.04</b>	<b>1,631,541</b>	<b>14,014,071</b>
Durham.....	11,570	2.89	33,437	344,401	42,857	2.00	85,714	814,283
Haliburton.....	216	2.30	497	67,592	10,253	1.80	18,455	239,915
Hastings.....	29,376	2.91	85,484	812,098	60,719	2.00	121,438	1,062,583
Muskoka.....	118	2.20	260	3,120	27,174	1.89	51,359	590,628
Northumberland.....	23,118	3.10	71,666	695,160	44,008	2.08	91,536	800,940
Ontario.....	20,617	2.98	61,439	632,822	58,270	2.10	122,367	1,193,078
Parry Sound.....	216	2.19	473	6,338	33,044	1.80	59,479	773,227
Peterborough.....	13,618	2.90	39,492	383,072	47,260	2.06	97,356	866,468
Prince Edward.....	12,618	2.66	33,564	318,858	27,347	2.00	54,694	475,838
Victoria.....	15,116	2.73	41,267	412,670	59,171	1.90	112,425	1,056,795
York.....	40,116	2.90	116,348	1,268,819	51,030	2.11	107,716	1,077,160
<b>Central Ontario</b>	<b>166,699</b>	<b>2.93</b>	<b>483,927</b>	<b>4,944,950</b>	<b>461,153</b>	<b>2.00</b>	<b>922,539</b>	<b>8,950,915</b>
Carleton.....	17,986	2.81	50,541	631,762	87,095	2.00	174,190	1,814,992
Dundas.....	8,114	2.66	21,583	237,413	47,635	1.88	89,554	940,317
Frontenac.....	14,216	2.51	35,682	366,820	65,522	2.00	131,041	1,244,918
Glengarry.....	8,617	2.67	23,007	271,483	52,663	2.00	105,326	1,058,586
Grenville.....	7,416	2.62	19,430	217,616	47,121	1.97	92,828	974,694
Lanark.....	20,176	2.60	52,458	616,382	62,334	2.13	132,771	1,360,481
Leeds.....	14,610	2.70	39,447	463,502	65,114	2.22	144,553	1,490,083
Lennox & Addington.....	22,718	2.86	64,944	623,462	54,714	2.14	117,088	1,053,792
Prescott.....	3,567	2.78	9,916	116,513	60,051	2.25	135,115	1,386,265
Renfrew.....	23,009	2.84	65,346	797,221	75,692	2.00	151,384	1,606,054
Russell.....	3,578	2.77	9,911	118,932	44,160	2.00	88,320	915,680
Stormont.....	5,996	2.94	17,628	211,536	44,123	2.08	91,776	946,246
<b>Eastern Ontario</b>	<b>150,003</b>	<b>2.73</b>	<b>409,893</b>	<b>4,672,642</b>	<b>706,224</b>	<b>2.05</b>	<b>1,453,949</b>	<b>14,792,108</b>
Algoma.....	716	2.50	1,790	22,375	28,304	1.62	45,852	533,258
Cochrane.....	201	1.96	394	6,501	13,666	1.45	19,816	317,056
Kenora.....	272	1.88	511	8,048	5,722	1.35	7,725	108,150
Manitoulin.....	4,814	2.25	10,832	118,069	20,718	1.50	31,077	310,770
Nipissing.....	578	2.11	1,220	17,080	30,539	1.50	45,809	618,422
Rainy River.....	9,708	2.00	19,416	252,408	17,431	1.55	27,018	337,725
Sudbury.....	230	2.02	465	7,207	28,595	1.45	41,463	601,214
Thunder Bay.....	1,716	1.94	3,329	48,603	30,551	1.35	41,244	577,416
Timiskaming.....	366	2.51	919	13,785	29,059	1.40	40,683	589,904
<b>Northern Ontario</b>	<b>18,601</b>	<b>2.09</b>	<b>38,876</b>	<b>494,076</b>	<b>204,585</b>	<b>1.47</b>	<b>300,687</b>	<b>3,993,915</b>
<b>The Province, 1943</b>	<b>794,000</b>	<b>2.79</b>	<b>2,215,000</b>	<b>22,593,000</b>	<b>2,625,000</b>	<b>2.00</b>	<b>5,250,000</b>	<b>50,400,000</b>

## PASTURE AND SOY BEANS

TABLE XVI.—Showing by County Municipalities the area in Cleared Pasture and Soy Beans in 1943.

Counties and Districts	Cleared Pasture	Soy Beans			
		Acres	Per Acre	Bushels	Market Value
					\$
Brant.....	26,521	344	19.0	6,536	11,765
Elgin.....	67,396	1,981	18.3	36,252	68,154
Essex.....	29,304	3,778	19.6	74,049	133,288
Haldimand.....	29,185	135	16.0	2,160	3,845
Kent.....	60,214	13,444	20.6	276,946	509,616
Lambton.....	114,156	3,500	17.5	61,250	108,413
Lincoln.....	16,566	800	16.3	13,040	23,472
Middlesex.....	159,028	7,883	17.1	134,799	243,986
Norfolk.....	33,545	3,955	19.3	76,467	136,111
Oxford.....	70,494	783	18.1	14,172	26,076
Welland.....	24,573	354	16.4	5,806	10,218
Wentworth.....	25,385	200	16.6	3,320	5,876
<b>Southern Ontario</b> .....	<b>656,367</b>	<b>37,157</b>	<b>19.0</b>	<b>704,797</b>	<b>1,280,820</b>
Bruce.....	131,325	366	21.1	7,723	13,206
Dufferin.....	54,014	36	19.4	698	1,222
Grey.....	140,621	176	17.7	3,115	5,358
Halton.....	25,343	150	17.3	2,595	4,567
Huron.....	150,119	3,101	17.0	52,594	90,988
Peel.....	44,411	331	15.0	4,965	8,490
Perth.....	83,508	462	21.7	10,025	17,243
Simcoe.....	95,165	388	18.0	6,984	12,152
Waterloo.....	26,453	246	17.3	4,256	7,363
Wellington.....	79,743	174	17.4	3,028	5,268
<b>Western Ontario</b> .....	<b>830,702</b>	<b>5,430</b>	<b>17.7</b>	<b>95,983</b>	<b>165,857</b>
Durham.....	62,570	228	17.5	3,990	6,983
Haliburton.....	10,780	222	13.6	3,019	5,193
Hastings.....	94,188	296	17.3	5,121	8,911
Muskoka.....	19,120	554	16.0	8,864	15,157
Northumberland.....	65,418	200	16.2	3,240	5,670
Ontario.....	66,811	525	17.6	9,240	15,985
Parry Sound.....	19,803	9	15.1	136	234
Peterborough.....	56,604	50	15.7	785	1,366
Prince Edward.....	40,453	44	16.1	708	1,239
Victoria.....	60,825	32	15.2	486	846
York.....	51,538	612	19.3	11,812	20,316
<b>Central Ontario</b> .....	<b>548,110</b>	<b>2,772</b>	<b>17.1</b>	<b>47,401</b>	<b>81,900</b>
Carleton.....	98,422	221	17.6	3,890	6,691
Dundas.....	43,550	77	15.4	1,186	2,016
Frontenac.....	74,927	36	17.8	641	1,109
Glengarry.....	44,286	221	15.8	3,492	5,971
Grenville.....	44,913	138	13.4	1,849	3,217
Lanark.....	110,701	131	16.0	2,096	3,647
Leeds.....	100,171	48	16.7	802	1,395
Lennox and Addington.....	64,198	418	15.6	6,521	11,281
Prescott.....	53,539	38	16.2	616	1,066
Renfrew.....	88,264	62	15.0	930	1,590
Russell.....	34,014	134	15.4	2,064	3,529
Stormont.....	42,576	58	15.0	870	1,479
<b>Eastern Ontario</b> .....	<b>799,561</b>	<b>1,582</b>	<b>15.8</b>	<b>24,957</b>	<b>42,991</b>
Algoma.....	12,471	7	14.3	100	167
Cochrane.....	4,333	2	15.0	30	50
Kenora.....	1,466	3	14.0	42	70
Manitoulin.....	11,760	2	16.2	32	54
Nipissing.....	12,560	6	15.4	92	153
Rainy River.....	8,566	25	14.8	370	611
Sudbury.....	11,875	6	13.4	80	134
Thunder Bay.....	5,847	5	14.6	73	121
Timiskaming.....	11,282	3	14.2	43	72
<b>Northern Ontario</b> .....	<b>80,260</b>	<b>59</b>	<b>14.6</b>	<b>862</b>	<b>1,432</b>
<b>The Province, 1943</b> .....	<b>2,915,009</b>	<b>47,000</b>	<b>18.6</b>	<b>874,000</b>	<b>1,573,000</b>

MANGELS AND ALL FIELD CROPS

TABLE XVII.—Showing by County Municipalities of Ontario the area, produce and market value of Mangels and all Field Crops enumerated in Tables VII to XVII for the year 1943.

Counties and Districts	Mangels				All Field Crops		
	Acres	Per acre	Bushels	Market value	Acres	Value	Per acre
				\$		\$	\$ c.
Brant.....	348	468	162,864	32,573	100,722	1,961,308	19.47
Elgin.....	126	460	57,960	11,592	169,760	3,717,956	21.90
Essex.....	351	470	164,970	32,994	183,618	4,762,104	25.93
Haldimand.....	31	452	14,012	2,802	120,515	2,291,104	19.01
Kent.....	193	456	88,008	17,602	311,890	8,661,115	27.77
Lambton.....	348	450	156,600	31,320	249,899	5,451,265	21.81
Lincoln.....	116	456	52,896	10,579	77,718	1,508,657	19.41
Middlesex.....	736	448	329,728	65,946	295,941	6,885,114	23.27
Norfolk.....	121	460	55,660	11,132	125,072	2,631,634	21.14
Oxford.....	1,011	451	455,961	91,192	233,274	4,745,671	20.34
Welland.....	69	453	31,257	6,251	87,699	1,500,845	17.11
Wentworth.....	891	448	399,168	79,834	110,262	2,872,930	26.06
<b>Southern Ontario</b>	<b>4,341</b>	<b>454</b>	<b>1,969,084</b>	<b>393,817</b>	<b>2,066,370</b>	<b>47,001,723</b>	<b>22.75</b>
Bruce.....	608	470	285,760	60,010	303,013	6,090,526	20.10
Dufferin.....	270	473	127,710	26,819	156,033	3,117,706	19.98
Grey.....	992	468	464,331	98,510	381,764	8,116,770	21.26
Halton.....	241	474	114,234	23,989	109,460	2,184,938	19.96
Huron.....	2,463	466	1,146,610	250,788	333,633	6,531,124	19.58
Peel.....	224	474	106,176	22,297	129,638	2,682,309	20.69
Perth.....	1,621	465	753,491	159,233	323,768	6,073,371	18.76
Simcoe.....	804	472	379,448	79,684	323,261	7,577,723	23.44
Waterloo.....	1,678	469	786,982	166,266	165,583	3,635,173	21.95
Wellington.....	1,385	468	648,180	136,118	302,481	6,144,636	20.31
<b>Western Ontario</b>	<b>10,286</b>	<b>468</b>	<b>4,812,922</b>	<b>1,023,714</b>	<b>2,528,634</b>	<b>52,154,276</b>	<b>20.63</b>
Durham.....	429	452	193,908	40,728	155,234	3,152,894	20.31
Haliburton.....	6	444	2,664	559	18,242	446,611	24.48
Hastings.....	51	456	23,256	4,884	186,736	4,061,704	21.75
Muskoka.....	29	452	13,108	2,753	37,419	842,352	22.51
Northumberland.....	298	459	136,782	28,734	174,481	3,873,191	22.20
Ontario.....	1,284	461	591,924	124,904	213,027	4,702,496	22.07
Parry Sound.....	28	448	12,544	2,634	54,064	1,342,691	24.84
Peterborough.....	270	460	124,200	26,082	116,972	2,466,701	21.09
Prince Edward.....	61	457	27,877	5,854	81,184	1,618,094	19.93
Victoria.....	414	454	187,956	39,471	164,277	3,084,740	18.78
York.....	1,614	468	755,352	158,224	254,857	6,588,347	25.85
<b>Central Ontario</b>	<b>4,484</b>	<b>462</b>	<b>2,069,571</b>	<b>435,227</b>	<b>1,456,493</b>	<b>32,179,821</b>	<b>22.09</b>
Carleton.....	142	404	57,368	12,621	204,611	4,943,343	24.16
Dundas.....	26	402	10,452	2,299	113,294	2,441,390	21.55
Frontenac.....	20	400	8,000	1,760	106,926	2,363,818	22.11
Glengarry.....	34	406	13,804	3,037	110,699	2,259,737	20.41
Grenville.....	60	400	24,000	5,280	92,184	1,940,610	21.05
Lanark.....	32	408	13,056	2,872	139,250	3,171,954	22.78
Leeds.....	63	410	25,830	5,683	138,616	3,108,886	22.43
Lennox & Addington.....	50	400	20,000	4,400	136,686	2,773,529	20.29
Prescott.....	42	401	16,842	3,705	125,834	2,476,378	19.68
Renfrew.....	59	407	24,013	5,283	189,412	4,532,891	23.93
Russell.....	94	394	37,036	8,148	102,025	2,408,804	23.61
Stormont.....	30	392	11,760	2,587	91,733	2,037,680	22.21
<b>Eastern Ontario</b>	<b>652</b>	<b>402</b>	<b>262,161</b>	<b>57,675</b>	<b>1,551,270</b>	<b>34,459,020</b>	<b>22.21</b>
Algoma.....	26	363	9,438	2,360	51,712	1,152,857	22.29
Cochrane.....	22	364	8,008	2,002	32,571	1,189,857	36.53
Kenora.....	3	360	1,080	270	13,039	295,868	22.69
Manitoulin.....	48	368	17,664	4,416	39,790	749,879	18.85
Nipissing.....	14	366	5,124	1,281	52,889	1,215,981	22.99
Rainy River.....	30	351	10,530	2,633	43,504	941,864	21.65
Sudbury.....	16	362	5,792	1,448	51,463	1,545,708	30.04
Thunder Bay.....	50	367	18,350	4,588	44,585	1,075,544	24.12
Timiskaming.....	28	367	10,276	2,569	63,480	1,320,602	20.80
<b>Northern Ontario</b>	<b>237</b>	<b>364</b>	<b>86,262</b>	<b>21,567</b>	<b>393,033</b>	<b>9,488,160</b>	<b>24.14</b>
<b>The Province, 1943..</b>	<b>20,000</b>	<b>460</b>	<b>9,200,000</b>	<b>1,932,000</b>	<b>7,995,800</b>	<b>175,283,000</b>	<b>21.92</b>

## HORSES ON HAND

TABLE XVIII.—Showing by County Municipalities the number and value of Horses on hand June 1st, 1943.

Counties and Districts	Stallions, 2 yrs. old and over	Mares, 2 yrs. old and over	Geldings, 2 yrs. old and over	Colts and Fillies, under 2 years	Total Horses	
					Number	Value \$
Brant.....	41	3,781	3,362	1,256	8,440	675,200
Elgin.....	49	5,557	5,301	1,342	12,249	992,169
Essex.....	64	6,199	6,442	1,382	14,087	1,169,221
Haldimand.....	28	3,774	3,387	1,088	8,277	695,268
Kent.....	58	7,646	6,684	1,711	16,099	1,304,019
Lambton.....	74	7,546	6,352	2,060	16,032	1,282,560
Lincoln.....	20	2,086	2,441	338	4,885	410,340
Middlesex.....	121	10,343	8,656	2,903	22,023	1,761,184
Norfolk.....	40	4,361	4,801	702	9,904	841,840
Oxford.....	65	7,239	6,876	1,616	15,796	1,279,476
Welland.....	18	2,458	2,204	556	5,236	445,060
Wentworth.....	38	3,848	3,789	763	8,438	708,792
<b>Southern Ontario.....</b>	<b>616</b>	<b>64,838</b>	<b>60,295</b>	<b>15,717</b>	<b>141,466</b>	<b>11,565,129</b>
Bruce.....	130	8,866	7,753	2,506	19,255	1,540,400
Dufferin.....	40	4,346	3,886	1,710	9,982	798,560
Grey.....	70	10,987	9,787	2,996	23,840	1,978,720
Halton.....	28	2,462	2,657	586	5,733	504,504
Huron.....	93	9,928	8,936	2,548	21,505	1,741,905
Peel.....	50	3,741	3,176	1,146	8,113	722,057
Perth.....	60	8,556	7,756	2,244	18,616	1,489,280
Simcoe.....	90	8,826	7,390	2,200	18,506	1,628,528
Waterloo.....	58	5,829	5,192	1,578	12,657	1,050,531
Wellington.....	75	8,951	7,966	2,287	19,279	1,542,320
<b>Western Ontario.....</b>	<b>694</b>	<b>72,492</b>	<b>64,499</b>	<b>19,801</b>	<b>157,486</b>	<b>12,996,805</b>
Durham.....	48	4,556	3,936	1,061	9,601	777,681
Haliburton.....	20	543	686	131	1,380	131,100
Hastings.....	66	5,712	5,404	1,481	12,663	1,051,029
Muskoka.....	14	912	934	147	2,007	192,672
Northumberland.....	54	5,378	4,964	1,366	11,762	940,960
Ontario.....	90	6,496	5,308	1,354	13,248	1,112,832
Parry Sound.....	26	1,664	1,710	354	3,754	420,448
Peterborough.....	38	3,647	4,176	988	8,849	709,920
Prince Edward.....	21	2,896	2,426	614	5,957	500,388
Victoria.....	52	4,366	4,183	1,145	9,746	779,683
York.....	116	7,063	6,525	1,546	15,250	1,387,750
<b>Central Ontario.....</b>	<b>545</b>	<b>43,233</b>	<b>40,252</b>	<b>10,187</b>	<b>94,217</b>	<b>8,004,463</b>
Carleton.....	66	5,804	5,133	1,756	12,759	1,161,069
Dundas.....	32	3,382	3,024	971	7,409	651,992
Frontenac.....	26	3,823	3,381	994	8,224	690,816
Glengarry.....	43	3,397	3,294	943	7,677	697,697
Grenville.....	16	2,664	2,412	711	5,803	545,482
Lanark.....	48	4,082	3,404	1,062	8,596	790,832
Leeds.....	41	4,096	3,923	986	9,046	814,140
Lennox and Addington.....	21	3,516	3,288	841	7,666	674,608
Prescott.....	60	3,451	3,218	841	7,570	688,870
Renfrew.....	58	6,606	5,731	1,781	14,176	1,318,368
Russell.....	55	2,723	2,486	986	6,250	581,250
Stormont.....	56	2,721	2,613	848	6,238	580,134
<b>Eastern Ontario.....</b>	<b>522</b>	<b>46,265</b>	<b>41,907</b>	<b>12,720</b>	<b>101,414</b>	<b>9,195,258</b>
Algoma.....	21	1,577	1,788	478	3,864	444,360
Cochrane.....	41	1,423	2,144	192	3,800	429,400
Kenora.....	6	351	653	28	1,038	125,598
Manitoulin.....	12	1,421	1,296	384	3,113	323,752
Nipissing.....	17	1,424	1,525	371	3,337	397,103
Rainy River.....	32	1,228	1,376	246	2,882	328,548
Sudbury.....	34	1,352	1,737	333	3,456	383,616
Thunder Bay.....	10	751	1,516	62	2,339	261,968
Timiskaming.....	30	1,586	1,761	398	3,775	453,000
<b>* Northern Ontario.....</b>	<b>203</b>	<b>11,113</b>	<b>13,796</b>	<b>2,492</b>	<b>27,604</b>	<b>3,147,345</b>
<b>The Province, 1943.....</b>	<b>2,580</b>	<b>237,941</b>	<b>220,749</b>	<b>60,917</b>	<b>522,187</b>	<b>44,909,000</b>



CATTLE ON HAND

TABLE XIX.—Showing by County Municipalities the number of Cattle on hand, June 1st, 1943.

Counties and Districts	Bulls for breeding	Cows for milk purposes	Cows for beef purposes	Yearlings for milk purposes	Yearlings for beef purposes	Calves	All other cattle
Brant.....	857	14,783	869	3,928	1,178	6,486	2,817
Elgin.....	1,411	25,836	1,636	6,244	1,729	12,386	6,771
Essex.....	648	18,589	430	4,481	404	6,859	947
Haldimand.....	782	14,428	836	4,126	1,132	8,303	2,765
Kent.....	836	19,260	3,089	5,111	1,941	16,463	9,760
Lambton.....	1,273	27,188	4,136	6,088	4,986	22,486	17,362
Lincoln.....	451	9,106	411	2,066	321	4,211	588
Middlesex.....	2,374	44,116	6,814	10,429	7,481	26,958	26,595
Norfolk.....	763	14,461	168	4,207	991	5,986	738
Oxford.....	2,703	48,264	1,586	15,118	1,748	18,211	5,122
Welland.....	446	9,146	498	1,898	333	3,176	307
Wentworth.....	1,106	17,824	571	4,361	611	7,643	1,844
<b>Southern Ontario</b>	<b>13,650</b>	<b>263,001</b>	<b>21,044</b>	<b>68,057</b>	<b>22,855</b>	<b>139,168</b>	<b>75,616</b>
Bruce.....	1,851	36,912	7,806	7,086	8,889	34,098	29,010
Dufferin.....	704	15,186	2,588	3,196	3,786	11,911	11,388
Grey.....	2,674	43,883	6,671	9,281	10,684	33,862	33,260
Halton.....	814	13,081	612	3,841	944	7,184	2,045
Huron.....	1,964	40,685	7,082	8,792	10,110	33,084	26,078
Peel.....	1,112	20,884	896	5,525	1,316	9,515	4,394
Perth.....	2,281	40,875	2,674	10,975	5,288	25,863	14,225
Simcoe.....	1,488	37,279	3,116	8,319	5,772	24,586	16,660
Waterloo.....	1,276	22,933	888	5,966	1,163	12,516	5,319
Wellington.....	1,878	31,844	5,056	6,871	6,562	25,472	19,650
<b>Western Ontario</b>	<b>16,042</b>	<b>303,562</b>	<b>37,389</b>	<b>69,852</b>	<b>54,514</b>	<b>218,091</b>	<b>162,029</b>
Durham.....	812	16,842	2,918	4,157	2,371	13,467	5,962
Haliburton.....	131	3,183	166	676	191	2,202	612
Hastings.....	2,178	39,434	786	9,174	796	18,118	2,478
Muskoka.....	244	5,162	274	1,114	242	2,731	872
Northumberland.....	1,254	24,857	1,136	6,978	1,511	13,854	3,187
Ontario.....	1,611	27,873	3,944	6,759	3,419	17,632	8,443
Parry Sound.....	485	10,688	861	2,353	846	6,989	2,614
Peterborough.....	936	18,123	974	4,806	1,274	10,439	4,629
Prince Edward.....	745	12,091	237	3,868	1,132	5,774	180
Victoria.....	847	18,305	3,438	4,278	3,824	13,594	10,944
York.....	1,951	34,839	1,285	8,239	1,235	13,264	3,079
<b>Central Ontario</b>	<b>11,194</b>	<b>211,397</b>	<b>16,019</b>	<b>52,402</b>	<b>16,841</b>	<b>118,064</b>	<b>43,000</b>
Carleton.....	1,952	39,226	1,529	10,127	1,398	16,931	7,860
Dundas.....	1,668	28,481	154	7,747	319	7,712	31
Frontenac.....	1,526	28,337	663	6,517	781	10,563	1,670
Glengarry.....	1,829	28,751	182	7,021	218	8,384	74
Grenville.....	788	17,781	258	4,886	168	5,978	217
Lanark.....	1,202	25,488	1,998	6,136	2,291	16,370	7,900
Leeds.....	1,852	35,111	241	9,281	363	12,821	367
Lennox & Addington.....	1,074	21,345	641	5,523	886	9,224	2,323
Prescott.....	1,812	26,429	261	6,974	554	8,491	220
Renfrew.....	1,816	29,677	2,152	6,886	2,248	20,516	12,901
Russell.....	1,616	22,811	126	6,113	392	8,396	317
Stormont.....	1,551	24,881	214	5,888	294	6,259	50
<b>Eastern Ontario</b>	<b>18,686</b>	<b>328,318</b>	<b>8,419</b>	<b>83,099</b>	<b>9,912</b>	<b>131,645</b>	<b>33,930</b>
Algoma.....	351	6,478	888	2,031	496	5,118	1,757
Cochrane.....	761	7,796	176	2,316	242	4,762	663
Kenora.....	114	1,861	60	503	30	997	87
Manitoulin.....	259	6,861	1,074	1,303	1,346	5,696	3,860
Nipissing.....	802	9,874	258	2,651	376	6,311	1,044
Rainy River.....	311	5,284	243	1,526	204	3,566	879
Sudbury.....	859	9,341	316	2,480	344	5,861	728
Thunder Bay.....	312	6,596	112	1,689	201	3,947	256
Timiskaming.....	691	9,278	366	2,663	236	6,216	1,169
<b>Northern Ontario</b>	<b>4,460</b>	<b>63,369</b>	<b>3,493</b>	<b>17,162</b>	<b>3,475</b>	<b>42,474</b>	<b>10,443</b>
<b>The Province, 1943</b>	<b>64,032</b>	<b>1,169,647</b>	<b>86,364</b>	<b>290,572</b>	<b>107,597</b>	<b>649,442</b>	<b>325,018</b>

## TOTAL CATTLE AND SHEEP AND LAMBS ON HAND

TABLE XX.—Showing by County Municipalities the number and value of Cattle on hand, June 1st, 1943.

Counties and Districts	Total Cattle		Sheep and Lambs		
	Number	Value	Ewes 1 year and over	Rams 1 year and over	Lambs Under 1 year
		\$			
Brant.....	30,918	2,139,835	2,451	98	2,060
Elgin.....	56,013	3,360,780	6,489	216	5,742
Essex.....	32,358	2,009,432	1,971	105	1,944
Haldimand.....	32,372	1,874,663	4,868	172	5,023
Kent.....	56,460	3,036,983	3,326	386	3,132
Lambton.....	83,519	4,558,467	10,232	486	10,711
Lincoln.....	17,154	1,019,634	2,336	131	2,135
Middlesex.....	124,767	7,754,269	9,682	881	10,077
Norfolk.....	27,314	1,805,729	1,666	91	1,512
Oxford.....	92,752	5,817,405	3,511	156	3,436
Welland.....	15,804	900,038	991	36	1,063
Wentworth.....	33,960	2,455,987	2,560	171	2,491
<b>Southern Ontario.....</b>	<b>603,391</b>	<b>36,733,222</b>	<b>50,083</b>	<b>2,929</b>	<b>49,326</b>
Bruce.....	125,652	8,320,675	15,574	666	14,316
Dufferin.....	48,759	2,501,337	13,481	484	14,561
Grey.....	140,315	6,928,755	32,830	1,168	32,913
Halton.....	28,521	1,185,903	4,248	172	4,839
Huron.....	127,795	6,787,192	9,753	438	9,892
Peel.....	43,642	2,845,458	4,869	196	5,112
Perth.....	102,181	5,461,574	3,849	186	3,762
Simcoe.....	97,220	4,833,778	21,371	756	20,260
Waterloo.....	50,061	3,054,722	1,478	71	1,676
Wellington.....	97,333	5,334,821	14,628	604	14,974
<b>Western Ontario.....</b>	<b>861,479</b>	<b>47,254,215</b>	<b>122,081</b>	<b>4,741</b>	<b>122,305</b>
Durham.....	46,529	2,497,677	10,801	488	11,186
Haliburton.....	7,161	307,493	866	69	850
Hastings.....	72,964	3,174,664	10,242	476	10,660
Muskoka.....	10,639	476,095	1,617	103	1,622
Northumberland.....	52,777	2,534,879	5,508	271	5,668
Ontario.....	69,681	4,173,180	14,416	586	14,841
Parry Sound.....	24,836	1,105,699	4,174	256	4,211
Peterborough.....	41,181	2,042,989	5,312	256	5,737
Prince Edward.....	24,027	1,297,698	2,914	111	3,151
Victoria.....	55,230	2,727,257	13,684	516	13,561
York.....	63,892	4,657,088	8,759	362	8,034
<b>Central Ontario.....</b>	<b>468,917</b>	<b>24,994,719</b>	<b>78,293</b>	<b>3,494</b>	<b>79,467</b>
Carleton.....	79,023	3,910,848	8,704	274	9,144
Dundas.....	46,112	2,521,865	888	71	923
Frontenac.....	50,057	2,291,109	4,729	232	4,736
Glengarry.....	46,459	2,346,644	1,654	72	1,561
Grenville.....	30,076	1,352,518	4,192	133	4,198
Lanark.....	61,385	2,843,967	16,780	696	16,998
Leeds.....	60,036	2,917,149	5,438	172	5,762
Lennox and Addington.....	41,016	2,113,144	3,473	122	3,388
Prescott.....	44,741	2,123,408	1,278	118	1,286
Renfrew.....	76,196	3,185,755	24,175	1,211	24,796
Russell.....	39,771	1,842,590	1,638	81	1,725
Stormont.....	39,137	2,167,016	944	41	796
<b>Eastern Ontario.....</b>	<b>614,009</b>	<b>29,616,013</b>	<b>73,893</b>	<b>3,223</b>	<b>75,313</b>
Algoma.....	17,119	831,812	3,641	178	3,622
Cochrane.....	16,716	812,230	1,402	136	984
Kenora.....	3,652	152,690	381	26	311
Manitoulin.....	20,399	1,014,238	9,873	404	10,691
Nipissing.....	21,316	867,135	2,944	268	2,857
Rainy River.....	12,013	502,263	8,983	296	9,136
Sudbury.....	19,929	810,712	1,517	78	1,394
Thunder Bay.....	13,113	563,072	1,686	122	1,498
Timiskaming.....	20,619	908,679	4,966	166	4,778
<b>Northern Ontario.....</b>	<b>144,876</b>	<b>6,462,831</b>	<b>35,393</b>	<b>1,674</b>	<b>35,271</b>
<b>The Province, 1943.....</b>	<b>2,692,672</b>	<b>145,061,000</b>	<b>359,743</b>	<b>16,061</b>	<b>361,682</b>

TOTAL SHEEP AND SWINE ON HAND

TABLE XXI.—Showing by County Municipalities the number and value of Swine on hand, June 1st, 1943.

Counties and Districts	Total Sheep and Lambs		Swine		Total Swine	
	Number	Value	Six months and over	Under six months	Number	Value
		\$				\$
Brant.....	4,609	41,942	4,095	18,889	22,984	271,211
Elgin.....	12,447	105,800	10,738	40,011	50,749	537,939
Essex.....	4,020	33,366	20,907	55,997	76,904	738,278
Haldimand.....	10,063	80,500	5,816	25,197	31,013	359,751
Kent.....	6,844	61,596	22,682	68,251	90,933	963,890
Lambton.....	21,429	194,938	13,724	58,916	72,640	769,984
Lincoln.....	4,602	41,418	2,292	8,966	11,258	130,593
Middlesex.....	20,640	183,696	13,049	63,618	76,667	874,004
Norfolk.....	3,269	27,787	5,258	19,071	24,329	257,887
Oxford.....	7,103	56,824	9,366	46,399	55,765	646,874
Welland.....	2,090	16,929	1,814	6,510	8,324	88,234
Wentworth.....	5,222	43,343	5,325	21,321	26,646	282,448
<b>Southern Ontario...</b>	<b>102,338</b>	<b>888,139</b>	<b>115,066</b>	<b>433,146</b>	<b>548,212</b>	<b>5,921,093</b>
Bruce.....	30,556	275,004	8,894	61,260	70,160	827,888
Dufferin.....	28,526	242,471	6,444	26,269	32,713	392,556
Grey.....	66,911	568,744	15,420	79,687	95,107	1,103,241
Halton.....	9,259	79,627	5,661	17,527	23,188	268,981
Huron.....	20,083	174,722	15,353	81,586	96,939	1,144,196
Peel.....	10,177	84,469	5,712	24,646	30,358	352,153
Perth.....	7,797	63,935	17,943	86,781	104,724	1,172,909
Simcoe.....	42,387	360,290	17,450	69,379	86,829	1,041,948
Waterloo.....	3,225	28,058	13,852	55,704	69,556	806,850
Wellington.....	30,206	256,751	13,766	66,066	79,832	942,018
<b>Western Ontario...</b>	<b>249,127</b>	<b>2,134,071</b>	<b>120,495</b>	<b>568,911</b>	<b>689,406</b>	<b>8,052,740</b>
Durham.....	22,475	168,563	7,111	24,341	31,452	377,424
Haliburton.....	1,785	12,316	377	1,181	1,558	14,957
Hastings.....	21,324	145,003	7,630	43,377	51,007	520,271
Muskoka.....	3,342	25,065	554	1,840	2,394	26,095
Northumberland.....	11,447	88,142	6,366	31,578	37,944	424,973
Ontario.....	29,843	235,760	9,580	40,140	49,720	576,752
Parry Sound.....	8,641	55,167	1,102	3,936	5,038	50,380
Peterborough.....	11,305	84,788	3,033	17,227	20,260	214,756
Prince Edward.....	6,176	48,790	2,644	13,669	16,313	199,019
Victoria.....	27,761	213,760	7,149	25,886	33,035	350,171
York.....	17,155	145,818	15,011	55,014	70,025	812,290
<b>Central Ontario...</b>	<b>161,254</b>	<b>1,223,172</b>	<b>60,557</b>	<b>258,189</b>	<b>318,746</b>	<b>3,567,088</b>
Carleton.....	18,122	135,915	5,503	27,044	32,547	322,215
Dundas.....	1,882	14,680	3,743	15,816	19,559	207,325
Frontenac.....	9,697	72,728	4,858	16,051	20,909	209,090
Glengarry.....	3,287	24,653	4,981	19,557	24,538	257,649
Grenville.....	8,523	59,661	3,479	8,645	12,124	128,514
Lanark.....	34,474	258,555	2,888	15,131	18,019	172,982
Leeds.....	11,372	86,427	3,604	16,909	20,513	196,925
Lennox and Addington..	6,983	53,769	3,871	19,082	22,953	243,302
Prescott.....	2,682	17,433	5,461	26,420	31,881	306,058
Renfrew.....	50,182	326,072	6,531	24,153	30,684	294,566
Russell.....	3,444	26,519	4,732	18,263	22,995	220,752
Stormont.....	1,781	13,358	4,131	17,537	21,668	208,013
<b>Eastern Ontario...</b>	<b>152,429</b>	<b>1,089,770</b>	<b>53,782</b>	<b>224,608</b>	<b>278,390</b>	<b>2,767,391</b>
Algoma.....	7,441	53,575	1,013	5,370	6,383	61,277
Cochrane.....	2,522	20,680	1,741	5,381	7,122	82,615
Kenora.....	718	4,954	354	685	1,039	11,013
Manitoulin.....	20,968	150,970	723	3,351	4,074	36,666
Nipissing.....	6,069	40,055	1,772	6,766	8,538	73,427
Rainy River.....	18,415	119,698	1,212	3,812	5,024	43,206
Sudbury.....	2,989	21,521	2,014	6,456	8,470	81,312
Thunder Bay.....	3,306	21,489	1,118	3,172	4,290	45,474
Timiskaming.....	9,910	65,406	1,271	4,635	5,906	56,698
<b>Northern Ontario...</b>	<b>72,338</b>	<b>498,348</b>	<b>11,218</b>	<b>39,628</b>	<b>50,846</b>	<b>491,688</b>
<b>The Province, 1943..</b>	<b>737,486</b>	<b>5,833,500</b>	<b>361,118</b>	<b>1,524,482</b>	<b>1,885,600</b>	<b>20,800,000</b>

## POULTRY ON HAND

TABLE XXII.—Showing by County Municipalities the number and value of Poultry on hand, June 1st, 1943.

Counties and Districts	Turkeys	Geese	Ducks	Other Fowls	Total Poultry	
					Number	Value
						\$
Brant.....	4,143	3,384	4,092	501,733	513,352	390,148
Elgin.....	25,574	4,774	6,758	547,054	584,160	368,021
Essex.....	16,987	7,542	19,132	812,328	855,989	513,593
Haldimand.....	21,892	3,546	5,799	561,214	592,451	385,093
Kent.....	14,136	8,627	36,886	1,090,787	1,150,436	707,865
Lambton.....	62,350	12,324	21,695	1,477,661	1,574,030	944,208
Lincoln.....	12,137	1,696	6,999	364,639	385,471	269,830
Mid <sup>le</sup> sex.....	63,652	13,952	21,777	1,176,428	1,275,809	791,002
Norfolk.....	9,269	2,769	4,627	553,992	570,657	370,927
Oxford.....	4,729	6,017	11,809	814,305	836,860	543,959
Welland.....	8,210	1,667	5,660	310,532	326,069	221,727
Wentworth.....	5,788	3,785	4,669	520,386	534,628	384,932
<b>Southern Ontario.....</b>	<b>248,867</b>	<b>70,083</b>	<b>149,903</b>	<b>8,731,059</b>	<b>9,199,912</b>	<b>5,891,305</b>
Bruce.....	28,422	9,468	7,457	688,471	733,818	432,952
Dufferin.....	1,428	11,031	3,505	404,888	420,852	307,222
Grey.....	12,554	17,931	11,739	814,660	856,884	514,130
Halton.....	5,660	4,395	16,478	465,738	492,271	339,667
Huron.....	15,146	16,094	19,171	1,185,956	1,236,367	729,466
Peel.....	10,443	7,403	21,516	493,515	532,877	357,028
Perth.....	5,284	12,049	12,845	968,958	999,136	599,482
Simcoe.....	24,911	15,807	8,912	749,233	798,863	511,272
Waterloo.....	3,836	4,526	4,499	637,215	650,076	416,049
Wellington.....	2,882	15,443	9,233	944,272	971,830	602,535
<b>Western Ontario.....</b>	<b>110,566</b>	<b>114,147</b>	<b>115,355</b>	<b>7,352,906</b>	<b>7,692,974</b>	<b>4,809,803</b>
Durham.....	7,333	8,401	5,064	430,885	451,683	284,560
Haliburton.....	2,340	343	115	25,732	28,530	20,256
Hastings.....	13,182	5,640	1,778	399,003	419,603	260,154
Muskoka.....	1,287	558	431	58,871	61,147	47,694
Northumberland.....	9,032	4,803	2,594	618,844	635,273	362,106
Ontario.....	10,468	9,303	5,926	638,168	663,865	431,512
Parry Sound.....	3,225	3,448	417	86,296	93,386	74,709
Peterborough.....	12,490	4,639	1,754	335,128	354,011	215,947
Prince Edward.....	1,740	1,776	1,487	260,874	265,877	175,479
Victoria.....	12,846	8,589	3,386	580,113	604,934	362,960
York.....	17,178	13,248	12,164	928,226	970,816	669,863
<b>Central Ontario.....</b>	<b>91,121</b>	<b>60,748</b>	<b>35,116</b>	<b>4,362,140</b>	<b>4,549,125</b>	<b>2,905,240</b>
Carleton.....	22,808	8,897	6,970	553,798	592,473	367,333
Dundas.....	5,651	4,799	3,198	425,944	439,592	272,547
Frontenac.....	29,993	2,108	2,537	253,149	287,787	178,428
Glengarry.....	13,460	1,076	695	240,587	255,818	166,282
Grenville.....	7,143	2,111	2,711	241,908	253,873	154,863
Lanark.....	25,541	2,421	590	300,659	329,211	207,403
Leeds.....	21,952	2,584	4,236	317,893	346,665	221,866
Lennox and Addington.....	11,397	2,303	2,862	404,323	420,885	239,904
Prescott.....	9,095	2,248	787	253,401	265,531	154,008
Renfrew.....	24,124	5,544	611	422,698	452,977	267,256
Russell.....	973	4,656	1,060	206,144	212,833	127,700
Stormont.....	7,373	1,979	719	391,968	402,039	241,223
<b>Eastern Ontario.....</b>	<b>179,510</b>	<b>40,726</b>	<b>26,976</b>	<b>4,012,472</b>	<b>4,259,684</b>	<b>2,598,813</b>
Algoma.....	6,934	1,497	288	123,955	132,674	102,159
Cochrane.....	738	223	387	130,889	132,237	103,145
Kenora.....	1,030	126	116	50,154	51,426	35,998
Manitoulin.....	18,464	1,052	352	77,551	97,419	70,142
Nipissing.....	928	658	111	86,901	88,598	64,677
Rainy River.....	5,538	637	224	73,463	79,862	55,903
Sudbury.....	1,175	444	152	111,008	112,779	78,945
Thunder Bay.....	1,989	727	242	181,478	184,436	129,105
Timiskaming.....	1,402	864	299	109,121	111,686	83,765
<b>Northern Ontario.....</b>	<b>38,198</b>	<b>6,228</b>	<b>2,171</b>	<b>944,520</b>	<b>991,117</b>	<b>723,839</b>
<b>The Province, 1943.....</b>	<b>668,262</b>	<b>291,932</b>	<b>329,521</b>	<b>25,403,097</b>	<b>26,692,812</b>	<b>16,929,000</b>

## PART II—CHATTEL MORTGAGES

Table showing by County Municipalities of Ontario the total number and amount of Chattel Mortgages on record and undischarged on December 31st, for the years 1941 and 1942, 1943, together with totals for the Province for all occupations as well as for "farmers," as far as given in the records.

Counties and Districts	1943		1942		1941	
	No.	Amount	No.	Amount	No.	Amount
		\$		\$		\$
Algoma.....	131	78,606	156	228,676	200	213,432
Brant.....	220	266,016	289	353,339	502	391,557
Bruce.....	187	262,772	158	285,142	332	375,735
Carleton.....	1,813	2,152,395	2,222	2,419,656	2,749	2,630,370
Cochrane.....	695	598,029	679	707,322	590	382,573
Dufferin.....	95	208,614	108	244,464	142	272,096
Elgin.....	345	553,079	358	592,415	430	641,447
Essex.....	3,595	3,129,705	2,739	1,467,294	2,319	2,844,692
Frontenac.....	732	430,919	675	451,751	675	477,115
Grey.....	306	627,700	365	648,912	449	760,901
Haldimand.....	147	175,139	133	166,665	154	180,171
Halton.....	290	275,920	297	450,853	411	602,751
Hastings.....	655	349,053	504	502,600	834	791,149
Huron.....	299	530,532	308	589,940	383	658,779
Kenora.....	123	137,501	138	221,348	162	270,321
Kent.....	675	1,295,793	797	1,394,810	880	1,521,126
Lambton.....	522	414,278	381	376,753	413	378,664
Lanark.....	135	245,626	165	275,864	246	301,725
Leeds and Grenville.....	249	449,411	286	415,548	370	580,341
Lennox and Addington.....	118	353,178	158	268,798	191	367,649
Lincoln.....	534	456,384	587	1,293,841	659	676,795
Manitoulin.....	35	43,199	51	39,456	77	84,042
Middlesex.....	1,653	996,835	1,496	964,160	1,737	1,001,905
Muskoka.....	87	204,490	292	330,628	157	348,002
Nipissing.....	196	317,353	196	561,896	241	475,147
Norfolk.....	202	289,767	217	351,856	499	483,981
Northumberland and Durham.....	264	405,058	300	432,144	411	592,621
Ontario.....	423	626,905	569	711,229	584	700,124
Oxford.....	308	457,391	389	578,662	502	652,887
Parry Sound.....	78	233,317	111	222,061	129	142,786
Peel.....	197	242,091	240	300,673	311	370,064
Perth.....	236	463,929	300	512,711	379	593,308
Peterborough.....	345	306,418	388	286,979	409	385,189
Prescott and Russell.....	322	560,947	387	710,199	485	790,317
Prince Edward.....	200	259,811	211	312,414	246	260,023
Rainy River.....	88	94,600	95	79,592	115	81,838
Renfrew.....	178	324,442	201	373,736	256	407,976
Simcoe.....	381	944,909	516	749,022	650	821,998
Stormont, Dundas and Glengarry.....	480	806,728	460	708,121	561	845,803
Sudbury.....	1,077	584,794	963	462,525	1,210	546,652
Thunder Bay.....	377	305,582	386	430,575	285	269,526
Timiskaming.....	156	418,251	401	1,142,898	536	991,195
Victoria and Haliburton.....	144	346,168	214	303,328	249	317,211
Waterloo.....	452	719,528	674	1,108,428	795	909,433
Welland.....	1,142	875,590	1,014	826,028	1,092	894,592
Wellington.....	363	605,369	455	652,572	623	782,398
Wentworth.....	2,903	2,316,630	2,663	2,518,614	2,800	2,915,503
York.....	12,232	11,812,539	14,200	12,694,388	15,947	14,046,676
Total:						
All occupations.....	36,385	38,553,291	38,892	41,720,886	44,377	46,030,586
Farmers as given.....	4,337	10,022,980	5,661	11,876,118	6,276	12,393,093
Occupations not given....	25,109	11,544,460	23,362	10,712,571	26,134	14,211,538



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PART III.

Comparative Farm Statistics for  
Sixty-Two Years—1882-1943

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STATISTICS OF FARM CROPS  
FALL WHEAT AND SPRING WHEAT

The following table gives the area, produce and market value of Fall Wheat and Spring Wheat for the years 1882 to 1943, together with the annual averages for the various periods of ten years and the average for the sixty-two years.

Years	Fall Wheat				Spring Wheat			
	Acres	Bushels	Per acre	Market Value	Acres	Bushels	Per acre	Market value
				\$				\$
1943	601,000	13,222,000	22.0	14,148,000	37,800	635,000	16.8	673,000
1942	757,000	23,391,000	30.9	20,584,000	42,000	861,000	20.5	758,000
1941	565,500	15,042,000	26.6	14,139,000	45,300	834,000	18.4	751,000
1940	775,400	22,099,000	28.5	13,922,000	69,200	1,301,000	18.8	846,000
1939	734,988	22,271,000	30.3	14,253,000	81,757	1,550,000	18.9	1,023,000
1938	742,062	19,805,775	26.7	11,082,514	88,001	1,592,289	18.1	923,545
1937	718,813	18,691,535	26.0	19,427,921	94,174	1,600,648	17.0	1,638,547
1936	509,306	12,478,456	24.5	13,601,343	97,972	1,735,147	17.7	1,874,293
1935	555,073	12,600,690	22.7	8,946,898	98,807	1,857,135	18.8	1,356,077
1934	425,594	6,724,089	15.8	5,917,025	96,373	1,803,088	18.7	1,533,062
1933	558,970	14,030,553	25.1	9,259,526	96,701	1,662,969	17.2	1,114,229
1932	536,292	15,061,600	28.1	6,929,113	100,068	1,990,368	19.9	895,980
1931	525,024	15,013,555	28.6	7,747,787	90,183	1,982,594	20.0	1,008,547
1930	676,802	18,047,207	26.7	11,958,527	98,966	2,179,204	22.0	1,426,734
1929	691,662	17,820,739	25.8	22,092,590	106,610	1,929,892	18.1	2,416,054
1928	693,660	16,766,408	24.2	20,456,753	109,805	2,181,855	19.9	2,599,815
1927	751,377	19,447,536	25.9	24,254,806	119,580	2,408,055	20.1	2,939,777
1926	807,015	20,988,030	26.0	26,262,506	115,497	2,166,054	18.8	2,708,690
1925	747,101	22,764,736	30.5	30,420,639	113,338	2,440,632	21.5	3,245,576
1924	722,366	21,396,621	29.6	28,646,679	101,401	1,948,853	19.2	2,669,773
1923	717,307	16,599,067	23.1	15,976,322	111,601	1,937,937	17.4	1,865,540
1922	813,935	17,792,958	21.9	18,616,746	124,206	2,099,503	16.9	2,207,565
1921	621,420	13,667,879	22.0	15,096,980	152,904	1,907,459	12.5	2,087,264
1920	762,371	18,492,013	24.3	35,759,610	267,367	4,480,472	16.8	8,237,182
1919	619,494	15,051,703	24.3	35,698,096	361,150	5,646,544	15.6	13,603,841
1918	362,616	7,054,845	19.5	14,877,794	351,423	8,186,191	23.3	17,076,203
1917	585,946	13,384,207	22.8	28,078,738	182,957	3,679,516	20.1	7,716,693
1916	704,867	14,942,050	21.2	24,099,591	144,305	2,213,961	15.3	3,591,681
1915	811,185	24,737,011	30.5	24,023,286	162,142	3,439,949	21.2	3,392,996
1914	685,692	14,333,548	20.9	15,641,232	118,607	2,169,425	18.3	2,340,520
1913	646,533	15,945,717	24.7	13,550,459	116,581	2,068,951	17.7	1,818,652
1912	759,888	15,039,885	19.8	13,795,968	123,080	2,302,339	18.7	2,072,266
1911	837,492	17,266,586	21.4	15,519,411	133,711	2,295,534	17.2	2,081,580
1910	743,473	19,837,172	26.7	17,172,678	129,319	2,489,833	19.3	2,229,999
1909	663,375	15,967,653	24.1	16,335,950	135,161	2,223,567	16.5	2,237,189
1908	679,642	16,430,476	24.2	14,649,061	142,124	2,197,716	15.5	1,996,230
1907	676,164	15,545,491	23.0	14,410,670	144,514	2,473,651	17.1	2,137,234
1906	787,287	18,841,774	23.9	13,321,134	171,745	3,267,000	19.0	2,250,963
1905	796,213	17,933,961	22.5	13,719,480	190,116	3,582,627	18.8	2,683,387
1904	605,458	9,160,623	15.1	9,041,535	225,027	3,471,103	15.4	3,269,779
1903	665,028	17,242,763	25.9	12,949,315	248,518	4,650,707	18.7	3,460,126
1902	748,592	20,233,669	27.0	14,305,204	303,115	6,048,024	20.0	4,209,425
1901	911,587	15,943,229	17.5	10,538,474	358,048	5,498,751	15.4	3,673,166
1900	1,068,640	23,369,737	21.9	15,517,505	376,905	6,940,333	18.4	4,684,725
1899	1,049,691	14,439,827	13.8	9,631,365	398,726	7,041,317	17.7	4,682,476
1898	1,048,182	25,158,713	24.0	17,460,147	389,205	6,873,785	17.7	4,756,659
1897	950,222	23,988,051	25.2	18,758,656	323,305	4,868,101	15.1	3,826,327
1896	876,955	15,078,441	17.2	10,705,693	255,361	3,519,322	13.8	2,484,641
1895	743,199	14,155,282	19.0	9,809,610	223,957	3,472,543	15.5	2,423,835
1894	778,992	16,512,106	21.2	9,081,658	230,016	3,367,854	14.6	1,869,159
1893	913,954	17,545,248	19.2	10,509,604	356,721	4,186,063	11.7	2,486,521
1892	966,522	20,492,497	21.2	14,488,195	651,302	8,290,395	12.7	5,620,888
1891	849,956	21,872,488	25.7	20,800,736	510,634	10,711,538	21.0	9,951,019
1890	720,101	14,267,383	19.8	13,439,875	601,753	7,683,905	12.8	7,015,405
1889	822,115	13,001,865	15.8	11,493,648	398,610	5,697,707	14.3	5,019,680
1888	826,537	13,830,787	16.7	14,162,726	367,850	6,453,559	17.5	6,408,384
1887	897,743	14,440,611	16.1	11,321,439	484,821	5,633,117	11.6	4,393,831
1886	886,402	18,071,142	20.4	13,300,361	577,465	9,518,553	16.5	6,900,951
1885	875,136	21,478,281	24.5	17,504,799	799,463	9,129,881	11.4	7,358,684
1884	864,740	20,717,631	24.0	16,677,693	721,647	14,609,661	20.2	11,892,264
1883	1,097,210	11,656,957	10.6	12,239,805	586,410	9,726,063	16.6	10,406,887
1882	1,188,520	31,255,202	26.3	31,567,754	586,817	9,665,999	16.5	10,245,959
Annual Averages:								
1932-1941	612,200	15,880,470	25.9	11,747,834	86,835	1,592,664	18.3	1,195,564
1922-1931	714,625	18,663,676	26.1	20,643,336	110,019	2,127,458	19.3	2,308,807
1912-1921	656,001	15,264,886	23.3	22,062,175	198,052	3,609,481	18.2	6,193,730
1902-1911	720,272	16,912,017	23.5	14,142,444	182,335	3,269,976	17.9	2,655,591
1882-1943	753,635	17,275,790	22.9	16,269,344	242,762	4,038,391	16.6	3,888,216



## STATISTICS OF FARM CROPS

## OATS AND BARLEY

The following table gives the area, produce and market value of Oats and Barley for the years 1882 to 1943, together with the annual averages for the various periods of ten years and the average for the sixty-two years.

Years	Oats				Barley			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
	\$							
1943	1,957,000	34,677,000	23.8	19,072,000	279,000	6,417,000	23.0	4,235,000
1942	1,966,000	84,538,000	43.0	37,197,000	353,000	12,179,000	34.5	6,942,000
1941	1,965,000	64,845,000	33.0	28,532,000	363,700	10,438,000	28.7	5,845,000
1940	2,254,000	86,554,000	38.4	27,697,000	499,000	15,519,000	31.1	6,828,000
1939	2,274,126	86,639,000	38.1	29,457,000	522,232	16,600,000	31.8	7,636,000
1938	2,262,930	83,198,318	27.9	23,231,985	544,017	16,648,991	30.6	6,798,249
1937	2,263,935	73,712,228	32.6	31,035,041	555,939	16,029,856	28.8	9,380,594
1936	2,345,906	66,857,962	28.5	32,091,668	519,233	14,018,054	27.0	11,214,391
1935	2,376,736	85,560,799	36.0	23,957,144	523,035	16,841,004	32.2	6,736,335
1934	2,390,817	81,526,069	34.1	28,534,021	484,908	14,741,263	30.4	7,370,538
1933	2,315,700	65,543,218	28.3	21,629,214	461,226	12,037,325	26.1	4,935,203
1932	2,338,569	75,517,411	32.3	18,878,732	456,000	13,771,000	30.2	4,958,004
1931	2,330,128	77,979,490	33.5	19,499,057	437,588	13,407,038	30.6	4,898,775
1930	2,468,913	97,481,866	39.5	28,983,780	609,879	20,910,731	34.3	7,496,760
1929	2,335,310	73,640,478	31.5	45,918,227	622,063	18,032,191	29.0	13,799,386
1928	2,659,980	93,461,068	35.1	51,912,665	615,433	19,944,133	32.4	14,790,285
1927	2,689,295	101,913,746	37.9	58,438,236	514,802	17,238,125	33.5	13,382,864
1926	2,831,755	95,722,130	33.8	49,615,846	449,095	14,447,174	32.2	9,823,171
1925	2,837,390	118,100,471	41.6	53,404,626	436,383	14,917,247	34.2	10,160,463
1924	2,891,990	114,249,129	39.5	61,899,999	439,177	14,570,403	33.2	11,970,808
1923	2,967,417	103,485,442	34.9	46,937,124	452,490	13,523,349	29.9	8,487,609
1922	3,034,090	116,033,569	38.2	50,450,114	433,922	13,971,811	32.2	8,561,782
1921	3,094,958	72,575,191	23.4	36,555,194	462,176	10,149,353	22.0	6,665,865
1920	2,880,053	129,171,312	44.9	75,159,913	484,328	16,660,350	34.4	15,631,613
1919	2,674,341	78,388,018	29.3	76,572,899	569,183	13,133,757	23.1	19,146,902
1918	2,924,468	131,752,601	45.1	98,798,745	660,404	24,247,673	36.7	25,112,912
1917	2,763,355	111,232,817	40.3	86,640,057	551,298	18,387,741	33.4	23,118,166
1916	2,689,762	71,297,528	26.5	47,066,428	527,886	12,388,969	23.5	12,621,940
1915	2,871,755	120,217,952	41.9	47,452,121	552,318	19,893,129	36.0	11,130,811
1914	2,776,883	103,564,322	37.3	51,232,043	579,473	18,096,754	31.2	11,640,790
1913	2,699,459	98,426,902	36.5	36,342,489	623,658	18,255,958	29.3	10,136,759
1912	2,601,735	98,444,807	37.8	38,005,016	647,382	19,232,275	29.7	11,296,962
1911	2,699,230	84,829,232	31.4	37,494,695	616,977	16,248,129	26.3	12,000,154
1910	2,757,933	102,084,924	37.0	35,698,964	626,144	19,103,107	30.5	9,930,410
1909	2,695,585	90,235,579	33.5	35,612,676	695,262	18,776,777	27.0	10,286,328
1908	2,774,259	96,626,419	34.8	38,987,985	734,029	20,888,569	28.5	10,943,788
1907	2,932,009	83,524,301	28.5	40,759,859	766,891	21,718,332	28.3	12,900,689
1906	2,716,711	108,341,455	39.9	36,836,095	756,163	25,253,011	33.4	11,363,855
1905	2,668,416	105,563,572	39.6	35,469,360	772,633	24,265,394	31.4	10,409,854
1904	2,654,936	102,173,443	38.5	33,002,022	772,434	24,567,825	31.8	10,736,140
1903	2,638,665	109,874,053	41.6	32,193,097	709,839	24,378,817	34.3	10,263,482
1902	2,500,758	106,431,439	42.6	37,038,141	661,622	21,890,602	33.1	9,872,661
1901	2,408,464	78,334,490	32.5	28,357,085	637,201	16,761,076	26.3	7,542,484
1900	2,398,834	89,693,327	37.4	23,768,732	577,810	16,909,751	29.3	6,577,893
1899	2,363,778	89,897,724	38.0	24,901,670	490,374	14,830,891	30.2	5,858,202
1898	2,376,360	86,858,293	36.6	22,409,440	438,784	12,663,668	28.9	4,812,194
1897	2,432,491	86,318,128	35.5	19,507,897	451,515	12,021,779	26.6	3,245,880
1896	2,425,107	82,979,992	34.2	16,595,998	462,792	12,669,744	27.4	4,003,639
1895	2,373,309	84,697,566	35.7	24,646,992	478,046	12,090,507	25.3	4,884,565
1894	2,342,766	70,172,516	30.0	21,613,135	486,261	10,980,404	22.6	4,447,064
1893	1,936,644	58,584,529	30.3	19,450,064	467,315	9,806,088	21.0	3,932,241
1892	1,861,469	64,758,053	34.8	19,945,480	499,225	12,274,318	24.6	5,069,293
1891	1,840,636	75,009,542	40.8	27,378,483	553,166	16,141,904	29.2	7,925,675
1890	1,882,366	52,768,207	28.0	21,687,734	701,326	15,600,169	22.2	7,831,285
1889	1,923,444	64,346,301	33.5	19,625,622	875,286	23,386,388	26.7	10,290,011
1888	1,849,868	65,466,911	35.4	26,514,099	895,432	23,366,569	26.1	14,043,308
1887	1,682,463	49,848,101	29.6	17,247,443	767,346	17,134,830	22.3	9,715,448
1886	1,621,901	58,665,608	36.2	18,772,995	735,778	19,512,278	26.5	10,009,799
1885	1,543,745	55,229,742	35.8	17,397,369	597,873	16,533,587	27.7	9,126,540
1884	1,481,828	57,696,304	38.9	19,097,476	700,472	19,119,041	27.3	10,247,806
1883	1,418,309	54,573,609	38.5	20,737,971	757,156	18,414,337	24.3	10,496,172
1882	1,387,487	50,501,701	36.4	21,715,731	848,617	24,284,407	28.6	15,784,865
Annual Averages:								
1932-1941	2,278,772	76,995,402	33.8	26,504,381	492,929	14,664,449	29.7	7,170,231
1922-1931	2,704,627	99,206,739	36.7	46,705,967	501,083	16,096,220	32.1	10,337,190
1912-1921	2,797,677	101,507,145	36.3	59,382,491	565,811	17,044,596	30.1	14,650,272
1902-1911	2,703,900	98,968,442	36.6	36,309,289	711,199	21,709,056	30.5	10,870,736
1882-1943	2,400,384	84,877,305	35.4	35,268,737	576,839	16,745,822	29.0	9,633,962

## STATISTICS OF FARM CROPS

## PEAS AND BEANS

The following table gives the area, produce and market value of Peas and Beans for the years 1882 to 1943, together with the annual averages for the various periods of ten years and the average for the sixty-two years.

Years	Peas				Beans			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				\$				\$
1943	32,000	512,000	16.0	1,055,000	68,000	1,156,000	17.0	2,485,000
1942	34,000	575,000	16.9	1,144,000	62,000	1,252,000	20.2	1,878,000
1941	35,900	560,000	15.6	1,047,000	94,100	1,588,000	16.9	2,630,000
1940	55,200	894,000	16.2	1,672,000	84,800	1,264,000	14.9	2,212,000
1939	51,902	887,000	17.1	1,570,000	62,527	1,338,000	21.4	3,011,000
1938	52,405	899,103	17.2	1,348,680	59,727	1,366,018	22.9	1,366,018
1937	58,358	796,208	13.6	1,242,687	57,175	1,105,660	19.3	1,178,628
1936	66,831	815,101	12.2	1,263,360	56,344	743,037	13.2	1,501,391
1935	68,709	1,168,244	17.0	1,109,639	56,987	1,031,871	18.1	1,496,499
1934	68,811	1,156,027	16.8	983,041	49,445	692,025	14.0	878,504
1933	58,746	938,755	16.0	750,856	52,320	779,476	14.9	717,326
1932	59,535	1,071,344	18.0	696,348	61,821	1,059,559	17.1	519,132
1931	58,944	972,832	16.5	608,586	76,312	1,184,172	15.5	685,934
1930	80,093	1,581,468	19.7	1,657,822	67,540	905,498	13.4	1,306,852
1929	79,523	1,235,658	15.5	2,013,945	63,732	1,113,310	17.5	3,373,233
1928	109,887	1,892,588	17.2	2,892,490	50,953	873,427	17.1	3,343,825
1927	105,662	2,035,687	19.3	3,049,924	47,156	725,011	15.4	1,700,257
1926	97,865	1,880,301	19.2	2,831,588	51,721	819,166	15.8	1,913,221
1925	133,434	2,607,287	19.5	3,532,258	61,080	1,154,317	18.9	2,431,446
1924	130,989	2,456,164	18.8	3,712,042	52,047	856,860	16.5	1,958,602
1923	117,409	2,030,850	17.3	2,940,685	41,127	633,713	15.4	1,538,701
1922	105,544	2,076,965	19.7	2,914,720	39,999	622,781	15.6	1,579,549
1921	105,964	1,441,095	13.6	2,205,423	26,509	427,531	16.1	1,005,057
1920	109,187	2,209,523	20.2	4,270,938	22,744	380,499	16.7	1,097,137
1919	127,253	1,816,517	14.3	4,794,268	22,920	288,480	12.6	1,154,081
1918	113,862	2,381,937	20.9	5,184,332	100,082	1,387,834	13.9	6,230,007
1917	90,322	1,512,567	16.7	4,855,888	110,680	1,078,510	9.7	7,446,626
1916	95,542	1,243,979	13.4	2,618,754	53,999	583,105	10.8	3,183,086
1915	126,943	2,043,049	16.1	3,302,641	62,863	882,819	14.0	2,745,105
1914	177,856	2,609,585	14.7	3,565,974	51,149	835,895	16.3	1,787,432
1913	177,303	3,108,263	17.5	3,127,551	66,639	1,021,243	15.3	1,738,900
1912	221,524	3,667,005	16.6	4,047,354	69,703	1,182,132	17.0	2,280,173
1911	304,491	4,462,182	14.7	4,380,883	51,508	898,212	17.4	1,711,089
1910	403,414	6,016,003	14.9	4,856,986	49,778	892,927	17.9	1,386,798
1909	381,609	7,613,656	20.0	6,437,685	45,029	826,344	18.4	1,334,325
1908	396,642	7,401,336	18.7	6,121,449	46,477	783,757	16.9	1,160,103
1907	340,977	7,365,036	21.6	5,744,728	47,562	790,269	16.6	1,201,209
1906	410,356	7,388,987	18.0	5,216,625	51,272	950,312	18.5	1,320,934
1905	374,518	7,100,021	19.0	4,636,314	50,543	846,443	16.7	1,117,305
1904	339,260	6,629,866	19.5	4,176,816	50,892	1,12,849	17.9	1,113,676
1903	407,133	8,924,650	21.9	5,738,550	53,039	978,246	18.4	1,379,327
1902	532,639	7,664,679	14.4	5,441,922	53,964	670,633	12.4	905,355
1901	602,724	10,089,173	16.7	6,588,230	53,688	824,122	15.4	1,030,153
1900	661,592	14,058,198	21.2	8,027,231	44,053	820,373	18.6	817,912
1899	743,139	15,140,790	20.4	8,675,673	40,485	651,009	16.1	703,090
1898	865,951	13,521,263	15.6	7,058,099	45,220	759,657	16.8	531,760
1897	896,735	13,867,093	15.5	5,838,046	50,591	981,340	19.4	639,834
1896	829,601	17,493,148	21.1	7,696,985	68,369	1,197,535	17.5	819,114
1895	799,963	15,568,103	19.5	8,531,320	72,747	1,494,179	20.5	1,414,988
1894	785,007	14,022,888	17.9	7,516,268	59,281	827,514	14.0	913,575
1893	738,741	14,168,955	19.2	7,651,236	48,858	664,310	13.6	783,886
1892	774,732	14,494,430	18.7	8,551,714	33,249	535,931	16.1	529,500
1891	752,453	18,323,459	24.4	11,690,367	41,451	769,600	18.6	816,546
1890	781,206	15,389,313	19.7	9,279,756	39,456	761,341	19.3	978,323
1889	708,068	13,509,237	19.1	7,524,645	21,830	371,893	17.0	471,188
1888	696,653	14,269,863	20.5	9,332,490	22,700	534,526	23.5	607,756
1887	726,756	12,173,332	16.8	6,804,892	20,275	275,975	13.6	270,180
1886	703,936	16,043,734	22.8	8,439,004	21,072	482,072	22.9	403,494
1885	646,081	14,006,192	21.7	8,123,591	24,651	496,564	20.1	397,251
1884	570,928	13,691,607	24.0	8,817,395	24,878	592,044	23.8	698,612
1883	542,771	10,673,723	19.7	7,578,343	25,907	.....	.....	.....
1882	560,770	11,006,115	19.6	8,144,525	19,787	409,910	20.7	807,523
Annual Averages:								
1932-1941	57.64	918,578	15.9	1,168,361	63,525	1,096,765	17.3	1,551,050
1922-1931	101,935	1,876,980	18.4	2,615,406	55,167	888,826	16.1	1,983,162
1912-1921	134,576	2,203,352	16.4	3,797,312	58,729	806,805	13.7	2,866,760
1902-1911	389,104	7,056,642	18.1	5,275,196	50,006	854,999	17.1	1,263,012
1882-1943	343,328	6,502,470	18.9	4,719,864	51,336	844,062	16.4	1,526,412

## STATISTICS OF FARM CROPS

## RYE AND BUCKWHEAT

The following table gives the area, produce and market value of Rye and Buckwheat for the years 1882 to 1943, together with the annual averages for the various periods of ten years and the average for the sixty-two years. \*

Years	Rye				Buckwheat			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				\$				\$
1943	64,000	1,056,000	16.5	908,000	159,000	3,578,000	22.5	2,648,000
1942	78,600	1,501,000	19.1	976,000	126,000	2,646,000	21.0	1,614,000
1941	73,700	1,253,000	17.0	827,000	116,300	2,326,000	20.0	1,349,000
1940	81,500	1,557,000	19.1	779,000	182,500	3,796,000	20.8	1,746,000
1939	75,652	1,378,000	18.2	799,000	168,404	3,570,000	21.2	1,856,000
1938	74,129	1,439,266	19.4	626,738	183,200	3,507,176	19.1	1,440,364
1937	74,704	1,291,222	17.3	1,006,882	195,193	3,753,901	19.2	2,237,761
1936	53,212	893,962	16.8	751,119	196,971	3,959,741	20.1	2,732,034
1935	59,340	1,044,363	17.6	417,797	186,427	3,896,451	20.9	1,558,406
1934	55,947	865,988	15.5	475,984	213,904	4,384,994	20.5	2,060,966
1933	54,006	913,024	16.9	465,739	207,124	4,349,266	21.0	1,826,807
1932	57,500	1,024,000	17.8	378,924	196,552	4,511,006	22.9	1,579,166
1931	61,701	1,104,754	17.9	462,594	178,719	3,665,584	20.5	1,551,607
1930	52,881	937,302	17.7	454,565	275,317	5,675,616	20.6	2,935,428
1929	52,023	873,239	16.8	847,938	294,388	5,562,013	18.9	4,627,121
1928	66,307	1,131,172	17.1	1,076,724	271,243	5,692,376	21.0	4,638,578
1927	72,323	1,289,058	17.8	1,228,421	249,210	5,892,510	23.6	4,593,204
1926	86,355	1,501,390	17.4	1,309,840	234,870	4,975,192	21.2	3,830,695
1925	98,652	1,784,625	18.1	1,553,529	257,932	5,579,109	21.6	4,086,236
1924	126,641	2,299,545	18.2	2,471,369	240,552	6,449,496	26.8	5,593,465
1923	123,354	2,011,325	16.3	1,481,691	230,276	5,012,010	21.8	3,670,511
1922	152,709	2,500,354	16.4	1,959,112	197,812	4,266,215	21.6	3,137,448
1921	122,868	1,775,599	14.5	1,467,086	147,944	3,354,201	22.7	2,482,999
1920	133,090	2,349,880	17.7	3,336,240	143,204	3,190,478	22.3	3,367,161
1919	140,072	2,219,042	15.8	3,531,031	178,569	4,071,959	22.8	5,727,413
1918	112,726	1,812,909	16.1	2,750,561	223,662	4,597,990	20.6	6,207,986
1917	133,077	2,222,325	16.7	3,614,591	153,457	2,992,391	19.5	4,278,256
1916	148,738	2,354,410	15.8	2,797,290	229,205	3,261,888	14.2	3,555,699
1915	173,736	3,210,512	18.5	2,532,051	193,497	4,278,366	22.1	3,057,398
1914	138,913	2,315,532	16.7	1,965,522	177,227	4,251,421	24.0	3,041,564
1913	118,429	1,979,775	16.7	1,310,306	228,279	4,012,418	17.6	2,549,398
1912	105,949	1,839,675	17.4	1,287,208	205,893	5,414,796	26.3	2,950,001
1911	98,652	1,562,971	15.8	1,326,510	189,039	3,852,231	20.4	2,324,992
1910	95,397	1,620,333	17.0	1,024,787	194,913	4,693,881	24.1	2,346,387
1909	94,661	1,573,921	16.6	1,060,566	176,630	4,280,790	24.2	2,284,440
1908	87,908	1,453,616	16.5	1,012,953	140,605	3,323,668	23.6	1,799,890
1907	67,158	1,039,021	15.5	721,081	113,039	2,546,468	22.5	1,461,673
1906	79,870	1,327,582	16.6	808,497	106,444	1,792,903	16.8	887,487
1905	101,292	1,714,951	16.9	974,092	101,591	2,199,652	21.7	1,099,826
1904	130,702	2,001,826	15.3	1,153,052	100,608	2,066,234	20.5	1,004,190
1903	179,277	2,970,768	16.6	1,443,793	95,487	2,049,169	21.5	907,782
1902	189,318	3,509,332	18.5	1,772,213	93,324	1,911,683	20.5	917,608
1901	158,236	2,545,268	16.1	1,254,817	88,266	1,757,071	19.9	850,422
1900	142,213	2,357,635	16.6	1,143,453	102,570	1,874,261	18.3	819,052
1899	137,824	2,284,846	16.6	1,142,423	132,082	2,203,299	16.7	1,002,501
1898	165,089	2,673,234	16.2	1,162,857	150,394	2,373,645	15.8	906,732
1897	187,785	3,382,005	18.0	1,275,016	151,669	3,464,186	22.8	1,039,256
1896	148,680	2,230,873	15.0	816,500	145,606	2,603,669	17.9	794,119
1895	120,350	1,900,117	15.8	866,453	135,262	2,791,749	20.6	1,027,364
1894	90,144	1,386,606	15.4	612,880	145,268	2,534,335	17.4	993,459
1893	68,486	994,771	14.5	472,516	133,828	2,380,456	17.8	995,031
1892	73,073	1,132,504	15.5	631,937	125,104	2,521,214	20.2	1,063,952
1891	67,865	1,134,630	16.7	820,337	107,879	2,608,142	24.2	1,150,191
1890	103,061	1,563,345	15.2	823,883	90,111	2,053,720	22.8	883,100
1889	90,106	1,451,679	15.9	728,725	56,398	1,272,578	22.6	502,668
1888	84,087	1,295,302	15.4	779,772	57,528	1,222,283	21.2	602,585
1887	68,362	894,887	13.1	442,969	64,143	1,025,353	16.0	461,409
1886	67,779	1,106,462	16.3	577,573	70,792	1,678,708	23.7	565,725
1885	78,293	1,271,506	16.2	701,871	61,776	1,530,675	24.8	600,024
1884	103,416	1,648,259	15.9	984,010	65,836	1,484,570	22.5	593,828
1883	188,111	3,012,240	16.0	2,018,201	67,802	.....	.....	.....
1882	185,276	3,473,799	18.7	2,223,231	50,035	1,262,973	25.2	505,189
Annual Averages:								
1932-1941	65,969	1,165,983	17.7	652,818	184,658	3,855,453	20.6	1,838,650
1922-1931	89,295	1,543,279	17.3	1,284,578	243,032	5,277,012	21.7	3,866,429
1912-1921	132,760	2,207,966	16.6	2,459,189	188,094	3,942,591	21.0	3,721,788
1902-1911	112,424	1,877,432	16.7	1,129,754	131,168	2,871,668	21.9	1,503,428
1882-1943	104,440	1,745,541	16.7	1,254,313	157,369	3,287,647	20.9	2,079,380

STATISTICS OF FARM CROPS  
FLAX AND MIXED GRAINS

The following table gives the area, produce and market value of Flax and Mixed Grains for the years 1907 to 1943, together with the annual averages for the various periods and for the whole term of years.

Years	Flax				Mixed Grains			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				\$				\$
1943.....	24,000	235,200	9.8	435,000	895,000	20,406,000	22.8	11,835,000
1942.....	24,000	262,000	10.9	474,000	1,151,000	50,759,000	44.1	25,887,000
1941.....	11,800	113,000	9.6	175,000	1,176,500	38,942,000	33.1	19,860,000
1940.....	17,500	170,000	9.7	226,000	915,000	34,770,000	38.0	13,213,000
1939.....	6,162	58,000	9.3	92,000	914,364	35,662,000	39.0	14,621,000
1938.....	5,176	44,917	8.7	56,200	888,321	32,596,707	36.7	11,522,394
1937.....	5,009	51,743	10.3	72,501	890,136	30,674,828	34.5	14,787,597
1936.....	5,289	34,423	6.5	50,819	953,079	27,830,699	29.2	14,750,022
1935.....	7,436	75,277	10.2	98,277	926,557	33,821,188	36.5	11,499,206
1934.....	5,666	56,716	10.0	75,550	941,448	32,195,970	34.2	12,878,261
1933.....	5,548	49,474	9.0	59,357	946,779	27,552,147	29.1	10,470,240
1932.....	6,280	61,569	9.8	55,540	986,161	33,327,100	33.8	10,997,537
1931.....	7,325	79,555	10.9	83,812	1,012,347	35,155,615	34.7	12,510,754
1930.....	5,235	51,257	9.8	78,809	958,086	37,512,279	39.2	13,857,314
1929.....	5,492	46,927	8.5	109,034	892,897	29,903,638	33.5	21,890,640
1928.....	7,964	67,441	8.5	141,111	905,693	33,691,418	37.2	23,420,648
1927.....	7,080	68,173	9.6	121,004	799,333	31,918,944	39.9	22,882,169
1926.....	7,712	75,736	9.8	148,149	770,981	28,577,629	37.1	18,697,998
1925.....	9,789	123,134	12.6	262,386	681,624	28,246,057	41.4	16,559,729
1924.....	6,619	77,801	11.8	162,590	645,622	26,403,332	40.9	18,231,508
1923.....	6,766	68,684	10.2	140,376	648,934	23,880,889	36.8	14,290,315
1922.....	4,556	48,662	10.7	106,046	552,399	21,270,479	38.5	11,882,085
1921.....	7,534	66,748	8.9	130,995	618,289	16,188,510	26.2	10,579,352
1920.....	21,053	224,893	10.7	515,983	581,689	25,712,447	44.2	20,556,442
1919.....	13,717	129,461	9.4	670,608	628,761	19,735,287	31.4	26,403,773
1918.....	15,925	196,221	12.3	*1,224,783	619,389	27,462,374	44.3	28,253,556
1917.....	7,372	.....	.....	.....	515,593	20,102,421	39.0	20,876,501
1916.....	5,880	.....	.....	.....	485,986	13,297,354	27.4	12,485,065
1915.....	5,334	.....	.....	.....	475,738	19,461,609	40.9	10,602,271
1914.....	6,025	.....	.....	.....	456,631	16,854,550	36.9	10,074,687
1913.....	7,431	.....	.....	.....	414,517	15,113,480	36.5	7,953,111
1912.....	9,125	.....	.....	.....	448,402	16,382,161	36.5	8,674,724
1911.....	12,128	.....	.....	.....	486,112	14,845,595	30.5	9,104,141
1910.....	12,021	.....	.....	.....	497,936	18,261,803	36.7	9,187,822
1909.....	11,253	.....	.....	.....	474,530	16,199,434	34.1	8,825,196
1908.....	8,562	.....	.....	.....	456,049	15,354,350	33.7	8,444,893
1907.....	9,296	.....	.....	.....	443,100	14,202,511	32.1	7,811,381
Annual Averages:								
1932-1941.....	7,587	71,512	9.4	96,124	953,834	32,737,264	34.3	13,459,926
1922-1931.....	6,854	70,737	10.3	135,332	786,792	29,666,028	37.7	17,422,316
1912-1921.....	9,940	.....	.....	.....	524,500	19,031,019	36.3	15,645,948
1907-1911.....	10,652	.....	.....	.....	471,545	15,772,739	33.4	8,674,687
1907-1943.....	9,326	.....	.....	.....	731,216	26,061,670	35.6	14,766,955

\*Including seed of fibre variety commandeered and shipped to Ireland to the value of \$930,769.

No estimates of yields of flax were made previous to 1918. The average for the twenty-six years, 1918-1943, was 9,640 acres, yielding 97,577 bushels, valued at \$221,767.

STATISTICS OF FARM CROPS  
HUSKING CORN AND SILO CORN

The following table gives the area, produce and market value of \*Corn (for husking and for silo) for the years 1892 to 1943, together with the annual averages for the various periods of ten years and the average for the fifty-two years.

Years	Corn for Husking				Corn for Silo			
	Acres	Bushels (shelled)	Per acre	Market value	Acres	Tons (green)	Per acre	Market value
				\$				\$
1943.....	190,000	6,935,000	36.5	6,103,000	307,000	3,061,000	9.97	10,714,000
1942.....	258,000	13,622,000	52.8	10,898,000	300,000	3,135,000	10.45	10,847,000
1941.....	245,400	11,337,000	46.2	8,389,000	295,000	2,950,000	10.00	9,145,000
1940.....	186,000	6,956,000	37.4	3,826,000	339,000	3,112,000	9.18	7,500,000
1939.....	183,175	8,097,000	44.2	4,453,000	335,691	3,545,000	10.55	9,430,000
1938.....	180,130	7,696,212	42.7	3,307,900	321,754	3,470,225	10.79	8,726,715
1937.....	165,593	5,409,213	32.7	3,272,319	317,349	3,080,766	9.71	8,280,429
1936.....	164,399	6,082,942	37.0	4,136,165	306,934	2,470,816	8.05	7,858,238
1935.....	167,710	7,764,981	46.3	3,494,268	324,799	3,033,659	9.34	9,100,977
1934.....	161,137	6,797,863	42.2	4,419,012	323,173	2,990,000	9.25	11,960,000
1933.....	136,596	5,054,297	37.0	2,830,032	286,021	2,440,009	8.53	7,320,027
1932.....	130,257	5,056,623	38.8	2,275,625	285,343	2,573,977	9.02	6,434,943
1931.....	123,960	5,434,159	43.9	2,157,322	264,286	2,301,527	8.71	9,206,108
1930.....	130,094	5,148,898	39.6	3,569,682	311,817	2,619,049	8.40	10,476,196
1929.....	120,000	4,449,961	32.1	4,460,367	287,566	2,221,467	7.73	9,574,523
1928.....	110,192	4,614,567	41.9	4,714,511	299,307	2,685,727	8.97	11,199,482
1927.....	102,626	3,632,809	35.4	3,613,287	326,964	2,490,660	7.62	10,102,453
1926.....	179,325	6,886,293	38.4	5,529,069	367,772	3,497,071	9.51	15,736,820
1925.....	207,767	9,736,311	46.9	8,131,617	373,133	3,614,233	9.69	15,360,490
1924.....	263,615	11,141,331	42.3	11,737,059	403,060	3,977,017	9.87	17,896,577
1923.....	285,335	12,861,496	45.1	9,710,461	409,628	3,651,102	8.91	14,604,408
1922.....	265,018	12,306,242	46.5	8,609,503	438,819	4,413,191	10.06	17,652,764
1921.....	250,684	13,542,441	54.0	8,012,455	438,343	5,015,082	11.44	25,075,410
1920.....	243,909	12,914,851	52.9	12,867,119	449,176	4,668,054	10.39	23,340,270
1919.....	221,004	10,101,650	45.7	16,400,838	399,549	4,013,946	10.05	20,069,730
1918.....	195,310	8,676,715	44.4	13,650,415	380,946	3,944,313	10.35	17,749,409
1917.....	258,935	7,675,675	29.7	14,278,407	511,329	4,587,176	8.97	18,348,704
1916.....	258,332	8,478,048	32.8	9,446,060	439,411	3,276,185	7.46	10,647,610
1915.....	309,773	14,506,997	46.8	9,885,292	443,736	4,874,377	10.98	12,185,943
1914.....	290,817	15,488,240	53.3	10,622,455	418,105	4,751,223	11.36	11,878,058
1913.....	299,871	14,809,343	49.4	9,545,538	388,138	4,059,345	10.46	10,148,363
1912.....	301,251	14,646,312	48.6	8,162,565	377,982	3,969,597	10.50	9,923,993
1911.....	308,350	14,608,860	47.8	9,693,994	335,935	3,764,227	11.21	9,410,568
1910.....	320,519	16,600,257	51.8	9,301,245	326,627	3,788,364	11.60	7,576,728
1909.....	322,789	15,079,793	46.7	9,705,826	288,346	3,374,655	11.70	6,749,310
1908.....	299,690	15,734,081	52.5	9,440,336	233,753	2,729,265	11.68	5,458,530
1907.....	338,573	14,599,644	43.1	6,219,448	200,354	2,029,547	10.13	4,059,094
1906.....	289,456	15,992,455	55.3	9,019,744	180,796	2,149,413	11.89	4,298,826
1905.....	295,005	13,948,613	47.3	7,720,557	184,784	2,284,812	12.36	4,569,624
1904.....	329,882	13,494,609	40.9	7,570,476	193,115	2,023,340	10.48	4,046,680
1903.....	378,924	19,525,259	51.5	10,807,230	209,727	2,564,400	12.23	5,128,800
1902.....	371,959	13,674,796	36.7	8,327,951	209,859	2,611,334	12.44	5,222,668
1901.....	323,923	16,558,737	51.1	9,438,480	197,932	2,359,514	11.92	4,719,028
1900.....	330,772	18,062,374	54.6	8,588,659	179,798	2,147,532	11.94	4,295,064
1899.....	333,590	14,448,823	43.3	4,291,300	171,935	1,697,755	9.87	3,395,510
1898.....	330,748	15,628,395	47.3	4,711,961	189,948	2,128,073	11.20	4,256,146
1897.....	335,030	16,442,665	49.1	4,858,808	209,005	2,669,822	12.77	5,339,644
1896.....	317,667	16,047,576	50.5	4,717,987	178,962	1,948,780	10.89	3,897,560
1895.....	302,929	16,546,599	54.6	5,609,297	149,899	1,775,654	11.85	3,551,308
1894.....	267,348	10,850,235	40.6	4,247,867	111,361	1,049,765	9.43	2,099,530
1893.....	217,294	9,381,974	43.2	3,729,335	95,865	1,049,524	10.95	2,099,048
1892.....	181,463	7,486,332	41.3	2,953,358	91,403	948,907	10.38	1,897,814
Annual Averages:								
1932-1941.....	172,040	7,025,213	40.8	4,040,332	313,506	2,966,645	9.46	8,575,633
1922-1931.....	178,793	7,621,207	42.6	6,223,288	348,235	3,147,104	9.04	13,171,982
1912-1921.....	262,989	12,084,027	45.9	11,287,114	424,672	4,315,930	10.16	15,936,749
1892-1943.....	245,810	11,203,337	45.6	7,181,965	296,549	2,992,058	10.09	19,432,233

\*The combined average area for corn for the ten years, 1882-1891, was 195,878 acres, the average value of the produce for the same period being \$3,704,614. The combined average for corn for the sixty-two years, 1882-1943, was 486,314 acres, the average value of the produce for the same period being \$14,532,007.

## STATISTICS OF FARM CROPS

## POTATOES AND TURNIPS

The following table gives the area, produce and market value of Potatoes and Turnips for the years 1882 to 1943 together with the annual averages for the various periods of ten years and the average for the sixty-two years.

Years	Potatoes				Turnips			
	Acres	Hundred-weight	Per acre	Market value	Acres	Bushels	Per acre	Market value
				\$				\$
1943	116,000	7,552,000	65.1	17,143,000	39,000	17,004,000	436	3,911,000
1942	122,000	7,161,000	58.7	12,174,000	39,000	16,878,000	433	3,207,000
1941	120,300	7,579,000	63.0	9,095,000	41,600	16,099,000	387	3,219,800
1940	146,800	6,753,000	46.0	7,495,000	61,900	26,658,000	430	3,363,000
1939	142,108	7,247,000	51.0	8,189,000	61,932	26,031,000	420	3,124,000
1938	146,177	7,428,652	50.8	5,779,073	63,407	26,101,938	412	3,132,233
1937	150,649	10,130,497	67.2	6,122,043	62,002	24,903,885	402	2,989,066
1936	145,046	8,700,037	60.0	11,744,902	61,902	23,226,804	375	3,215,753
1935	149,245	7,877,771	52.8	7,878,163	62,248	21,786,804	350	2,614,416
1934	164,325	11,829,864	72.0	6,506,762	65,021	25,368,247	390	3,550,155
1933	157,536	8,694,295	55.2	8,694,061	66,100	20,228,057	306	2,427,366
1932	156,252	9,515,764	60.9	6,565,765	65,952	25,456,398	386	2,036,511
1931	168,158	12,015,901	71.5	4,735,770	68,323	23,489,120	344	2,348,912
1930	159,192	10,965,033	68.9	10,906,175	74,133	25,386,998	342	5,077,400
1929	148,435	8,484,053	57.2	15,271,732	72,502	22,848,692	315	4,569,738
1928	181,241	11,275,111	62.2	11,052,928	71,791	34,323,412	478	6,864,682
1927	159,871	9,297,184	58.2	13,662,224	68,479	29,452,281	430	5,448,672
1926	153,468	9,897,774	64.5	18,627,771	71,500	23,204,013	325	4,640,803
1925	163,790	9,428,872	57.6	21,513,125	73,318	28,015,466	382	5,042,784
1924	169,145	14,979,918	88.6	13,355,441	70,110	32,547,607	464	5,533,093
1923	164,682	11,479,188	69.7	14,306,447	65,193	27,099,910	416	5,419,982
1922	172,858	12,209,725	70.6	10,385,525	67,635	29,923,528	442	5,984,706
1921	164,096	9,240,085	56.3	13,589,599	70,715	24,265,547	343	6,673,025
1920	157,509	14,377,025	91.3	23,776,530	80,588	40,141,406	498	11,038,887
1919	157,286	9,086,953	57.8	25,026,467	85,312	28,740,526	337	7,903,645
1918	166,203	11,625,568	69.9	19,238,431	85,449	42,190,382	494	10,547,596
1917	146,481	10,975,041	74.9	22,530,291	93,034	39,989,556	430	7,997,911
1916	139,523	4,445,057	31.9	9,684,215	91,670	24,067,699	263	3,669,478
1915	173,934	7,960,214	45.8	10,805,026	97,451	46,598,851	478	4,659,885
1914	167,591	16,030,552	95.7	11,747,332	95,371	46,336,708	486	4,633,671
1913	159,661	11,414,469	71.5	12,114,656	97,572	41,889,894	429	4,188,989
1912	158,888	12,807,836	80.6	13,604,052	101,529	49,561,566	488	4,956,157
1911	162,457	8,351,219	51.4	11,722,539	100,593	39,664,275	394	3,966,428
1910	168,454	13,156,682	78.1	10,798,597	108,360	49,425,472	456	4,942,547
1909	169,695	14,787,170	87.1	8,989,452	113,400	50,738,940	447	5,073,894
1908	166,974	11,110,585	66.5	8,874,201	120,920	41,210,189	341	4,121,019
1907	177,186	12,034,605	67.9	11,693,625	123,011	48,205,605	392	4,820,561
1906	136,064	9,012,179	66.2	8,080,921	132,512	57,060,151	431	5,706,015
1905	132,530	8,619,629	65.0	6,608,383	135,348	57,654,086	426	5,765,409
1904	133,819	9,287,473	69.4	7,847,915	133,207	64,861,703	487	6,486,170
1903	139,011	10,005,868	72.0	7,354,313	134,469	69,316,341	515	6,931,634
1902	144,733	7,765,501	53.7	7,312,514	136,725	71,740,204	525	7,174,020
1901	154,155	10,869,982	70.5	7,717,687	145,099	68,287,467	468	6,828,747
1900	163,754	12,885,863	78.7	5,605,351	156,583	59,330,395	379	5,933,040
1899	168,148	11,960,020	71.1	6,535,144	153,440	58,078,390	379	5,807,839
1898	169,946	8,615,175	50.7	6,332,154	151,601	64,727,882	427	6,472,788
1897	169,333	9,660,478	57.1	6,424,218	149,336	68,297,148	457	6,829,715
1896	178,965	12,783,286	71.4	5,582,035	148,234	69,814,841	471	6,981,484
1895	184,647	17,634,530	95.5	5,936,959	151,806	63,496,702	418	6,349,670
1894	167,253	10,297,878	61.0	6,075,748	147,657	61,694,487	418	6,169,449
1893	142,601	7,746,727	54.3	5,099,929	136,604	56,975,355	417	5,697,535
1892	145,703	7,373,890	50.6	6,194,068	129,627	63,541,641	490	6,354,164
1891	160,218	14,433,532	90.1	7,842,219	126,075	68,853,452	546	6,885,345
1890	158,094	10,536,670	66.6	7,779,575	111,055	47,040,563	424	4,704,056
1889	145,812	8,613,317	59.1	6,531,766	111,103	37,021,260	333	3,702,126
1888	153,915	13,364,164	86.8	7,060,733	113,188	47,640,237	421	4,764,024
1887	140,283	6,406,800	45.7	6,705,784	105,322	31,413,456	298	3,141,346
1886	140,143	9,607,415	68.6	7,189,548	98,931	47,061,053	476	4,706,105
1885	159,741	12,654,686	79.2	8,668,460	102,303	41,137,735	402	4,113,774
1884	168,757	16,527,757	97.9	11,018,504	104,190	44,406,363	426	4,440,636
1883	166,823	9,840,469	59.0	10,168,485	98,429	29,879,354	304	2,987,935
1882	160,700	11,059,287	68.8	11,796,573	78,823	35,359,331	448	3,535,933
Annual Averages:								
1932-1941	147,844	8,575,588	58.0	7,807,077	61,211	23,585,813	385	2,970,830
1922-1931	164,084	11,063,276	67.4	13,381,714	70,298	27,629,103	393	5,093,077
1912-1921	159,117	10,796,280	67.9	16,211,660	89,869	38,378,214	427	6,596,924
1902-1911	153,092	10,413,091	68.0	8,928,246	123,855	54,987,697	444	5,498,770
1882-1943	156,103	10,420,440	66.8	10,304,386	97,590	41,028,183	420	5,082,576

## STATISTICS OF FARM CROPS

## ALFALFA AND HAY AND CLOVER

The following table gives the area, produce and market value of Alfalfa for the years 1912 to 1943, and of Hay and Clover for the years 1882 to 1943, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	Alfalfa				Hay and Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
1943.....	794,000	2,215,000	2.79	22,593,000	†2,625,000	5,250,000	2.00	50,400,000
1942.....	763,000	2,091,000	2.74	20,220,000	†2,489,000	4,779,000	1.92	42,485,000
1941.....	751,000	1,577,000	2.10	17,079,000	†2,447,000	3,303,000	1.35	34,600,000
1940.....	715,000	1,895,000	2.65	13,511,000	†2,389,000	4,374,000	1.83	28,686,000
1939.....	672,722	1,568,000	2.33	12,403,000	†2,400,149	4,057,000	1.69	30,950,000
1938.....	643,075	1,527,824	2.38	11,076,733	†2,440,625	4,166,076	1.71	28,850,043
1937.....	646,657	1,664,219	2.57	12,162,141	†2,474,861	4,190,574	1.69	29,923,850
1936.....	666,374	1,519,010	2.28	13,276,250	†2,510,329	3,936,141	1.57	34,612,053
1935.....	588,911	1,519,349	2.58	11,499,393	†2,529,452	4,603,677	1.82	32,593,451
1934.....	510,215	934,035	1.83	12,559,686	†2,618,811	2,775,995	1.06	35,032,423
1933.....	560,518	1,300,039	2.32	10,023,129	†2,769,610	4,127,139	1.49	34,708,446
1932.....	527,793	1,403,923	2.66	11,527,009	†2,780,349	4,220,718	1.59	32,005,889
1931.....	431,110	971,304	2.25	9,816,770	†2,858,923	4,615,372	1.61	38,906,045
1930.....	641,686	1,409,528	2.20	16,065,846	†2,849,702	4,353,094	1.53	45,365,729
1929.....	685,880	1,596,212	2.33	19,546,701	†2,915,221	4,661,660	1.60	52,573,554
1928.....	743,230	1,730,135	2.33	20,020,248	†2,811,076	4,455,615	1.59	50,026,378
1927.....	806,397	1,865,868	2.31	21,915,225	†2,832,813	4,914,515	1.73	54,161,232
1926.....	748,473	1,850,392	2.47	25,889,781	†2,889,143	4,248,048	1.47	54,154,454
1925.....	550,645	1,397,462	2.54	19,306,047	†3,022,507	4,181,206	1.38	50,738,655
1924.....	381,258	1,067,717	2.80	12,252,536	3,545,856	5,615,238	1.58	61,283,373
1923.....	299,610	788,431	2.63	8,915,438	3,596,484	5,799,422	1.61	64,069,155
1922.....	221,326	629,135	2.84	7,439,403	3,575,662	5,568,459	1.56	66,964,036
1921.....	177,205	456,378	2.58	8,023,795	3,551,655	3,954,166	1.11	76,193,216
1920.....	162,820	399,581	2.45	10,172,434	3,533,740	4,459,094	1.26	109,036,159
1919.....	146,790	314,419	2.14	7,293,462	3,508,266	5,588,804	1.59	126,750,915
1918.....	144,010	328,971	2.28	6,579,420	3,470,036	4,596,854	1.32	83,344,591
1917.....	189,109	462,956	2.45	5,460,205	3,358,579	6,156,340	1.83	72,705,998
1916.....	177,565	460,788	2.60	4,822,622	3,294,419	6,739,259	2.05	71,503,879
1915.....	165,284	428,739	2.59	6,044,599	3,066,468	3,825,024	1.25	55,660,170
1914.....	163,685	372,759	2.28	5,195,667	3,251,799	3,469,795	1.07	50,721,713
1913.....	167,707	380,606	2.27	5,090,267	3,261,139	3,543,957	1.09	46,212,298
1912.....	189,959	460,201	2.42	5,542,772	3,177,410	4,760,512	1.50	55,906,657
1911.....	.....	.....	.....	.....	3,301,468	4,238,362	1.28	55,767,671
1910.....	.....	.....	.....	.....	3,204,021	5,492,653	1.71	54,407,105
1909.....	.....	.....	.....	.....	3,228,445	3,885,145	1.20	49,754,078
1908.....	.....	.....	.....	.....	3,253,141	4,635,287	1.42	47,696,579
1907.....	.....	.....	.....	.....	3,289,552	3,891,863	1.18	58,806,050
1906.....	.....	.....	.....	.....	3,069,917	4,684,625	1.53	42,630,087
1905.....	.....	.....	.....	.....	3,020,365	5,847,494	1.94	45,142,654
1904.....	.....	.....	.....	.....	2,926,207	5,259,189	1.80	41,915,736
1903.....	.....	.....	.....	.....	2,783,565	4,336,562	1.56	34,432,302
1902.....	.....	.....	.....	.....	2,646,202	4,955,438	1.87	40,386,820
1901.....	.....	.....	.....	.....	2,557,263	4,632,317	1.81	37,012,213
1900.....	.....	.....	.....	.....	2,526,566	3,133,045	1.24	26,568,222
1899.....	.....	.....	.....	.....	2,505,422	3,498,705	1.40	27,010,003
1898.....	.....	.....	.....	.....	2,453,503	4,399,063	1.79	27,362,172
1897.....	.....	.....	.....	.....	2,341,488	3,811,518	1.63	27,366,699
1896.....	.....	.....	.....	.....	2,426,711	2,260,240	.93	21,879,123
1895.....	.....	.....	.....	.....	2,537,674	1,849,914	.73	22,753,942
1894.....	.....	.....	.....	.....	2,576,943	3,575,200	1.39	27,028,512
1893.....	.....	.....	.....	.....	2,766,894	4,963,557	1.79	37,921,575
1892.....	.....	.....	.....	.....	2,515,367	4,384,838	1.74	35,955,672
1891.....	.....	.....	.....	.....	2,549,975	2,392,798	.94	28,498,224
1890.....	.....	.....	.....	.....	2,462,002	4,305,915	1.75	34,232,024
1889.....	.....	.....	.....	.....	2,386,223	3,728,313	1.56	37,208,564
1888.....	.....	.....	.....	.....	2,292,638	2,009,017	.88	33,570,674
1887.....	.....	.....	.....	.....	2,280,643	3,093,610	1.36	35,947,748
1886.....	.....	.....	.....	.....	2,295,151	2,994,446	1.35	29,016,182
1885.....	.....	.....	.....	.....	2,268,091	3,252,155	1.43	32,033,727
1884.....	.....	.....	.....	.....	2,193,369	3,044,912	1.39	29,109,359
1883.....	.....	.....	.....	.....	2,350,969	4,115,535	1.75	37,122,126
1882.....	.....	.....	.....	.....	1,825,890	2,090,626	1.14	24,125,824
Annual Averages	.....	.....	.....	.....	.....	.....	.....	.....
1932-1941..	628,227	1,490,840	2.37	12,511,734	2,536,019	3,996,732	1.57	32,196,216
1922-1931..	550,962	1,330,618	2.42	16,116,800	3,141,888	4,946,462	1.57	54,824,511
1912-1921..	168,413	406,540	2.41	6,422,524	3,347,351	4,709,381	1.41	74,803,560
1902-1911..	.....	.....	.....	.....	*3,072,288	4,722,662	1.54	47,093,908
1882-1943..	†469,782	11,433,119	2.43	12,291,363	2,801,302	4,171,367	1.49	44,899,791

\*Including Alfalfa. †Exclusive of Alsike and Sweet Clover, previously included. ‡1912-43

STATISTICS OF FARM CROPS  
MANGELS AND FIELD CROPS

The following table gives the area, produce and market value of Mangels and all Field Crops for the years 1882 to 1913, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	Mangels				All Field Crops		
	Acres	Bushels	Per acre	Market value	Acres	Value	Per acre
				\$		\$	c.
1943.....	20,000	9,200,000	460	1,932,000	7,995,800	175,283,000	21.92
1942.....	18,700	8,510,000	455	1,362,000	8,822,500	202,892,000	23.00
1941.....	19,600	7,958,000	406	1,114,000	8,688,300	163,539,600	18.82
1940.....	36,400	16,398,000	450	1,804,000	9,118,600	138,374,000	15.17
1939.....	36,228	16,044,000	442	1,925,000	9,085,758	150,288,000	16.54
1938.....	35,673	15,503,275	435	1,860,393	9,088,014	126,158,324	13.88
1937.....	33,202	14,130,612	426	1,695,673	9,043,201	150,203,348	16.61
1936.....	32,408	12,941,428	399	1,811,800	9,119,007	162,333,522	17.80
1935.....	33,829	12,787,436	378	1,534,492	9,106,295	131,260,274	14.41
1934.....	33,079	13,826,991	418	1,935,779	8,999,999	143,755,962	15.97
1933.....	32,071	10,785,774	336	1,294,293	9,194,940	124,679,714	13.56
1932.....	31,797	12,781,446	402	1,022,515	9,225,680	114,150,521	12.37
1931.....	32,399	11,855,500	366	1,185,550	9,176,062	125,219,586	13.65
1930.....	29,055	10,626,135	366	2,125,227	10,009,097	173,498,548	17.33
1929.....	30,395	9,728,083	320	1,945,617	10,020,294	236,651,277	23.62
1928.....	33,567	14,738,443	439	2,947,689	10,357,960	244,445,136	23.60
1927.....	34,665	13,494,700	389	2,496,520	10,305,045	256,627,042	24.90
1926.....	34,009	13,548,484	398	2,709,697	10,434,401	257,686,886	24.70
1925.....	35,385	14,881,069	421	2,678,592	10,364,317	261,490,292	25.23
1924.....	35,958	15,616,128	434	2,654,742	10,264,614	264,370,642	25.76
1923.....	35,118	14,865,791	423	2,973,158	10,296,961	219,114,500	21.28
1922.....	35,274	16,366,353	464	3,273,271	10,258,613	223,342,150	21.77
1921.....	31,225	11,909,854	381	3,275,210	10,075,073	222,177,881	22.05
1920.....	36,450	17,174,290	471	4,722,930	10,108,272	367,608,619	36.37
1919.....	35,010	13,409,270	383	3,687,549	9,915,884	397,238,400	40.06
1918.....	40,714	18,244,453	448	4,561,113	9,992,825	363,909,778	36.42
1917.....	49,148	19,492,626	397	3,898,525	9,718,259	333,353,438	34.30
1916.....	42,793	9,756,015	228	1,365,842	9,548,876	223,748,948	23.43
1915.....	50,799	25,356,323	498	2,028,506	9,762,951	210,674,415	21.58
1914.....	50,663	25,439,520	502	2,035,162	9,621,444	199,152,945	20.70
1913.....	54,568	21,935,847	402	1,754,868	9,541,537	168,455,253	17.65
1912.....	60,103	27,671,114	460	2,213,689	9,574,474	185,790,341	19.40
1911.....	64,855	28,126,313	434	2,250,105	9,718,741	179,974,358	18.52
1910.....	68,966	34,686,137	503	2,774,891	9,725,684	175,115,742	18.01
1909.....	70,488	28,928,347	410	2,314,267	9,578,323	167,966,577	17.54
1908.....	67,937	29,870,966	440	2,389,677	9,621,683	164,077,282	17.05
1907.....	68,644	30,260,315	441	2,420,825	9,750,615	176,354,759	18.09
1906.....	69,352	32,863,192	474	2,629,055	8,962,925	144,570,075	16.13
1905.....	69,035	33,216,930	481	2,657,354	8,897,898	142,804,431	16.05
1904.....	71,344	33,595,440	471	2,687,635	8,673,525	134,304,690	15.48
1903.....	80,918	41,768,239	516	3,341,459	8,731,405	136,657,807	15.65
1902.....	76,553	39,140,924	511	3,131,274	8,677,988	146,421,171	16.87
1901.....	61,095	29,683,324	486	2,374,666	8,667,512	128,325,648	14.81
1900.....	54,543	24,728,525	453	1,978,282	8,794,953	114,758,761	13.05
1899.....	53,401	20,898,387	391	1,671,871	8,753,926	105,771,321	12.08
1898.....	47,923	21,957,564	458	1,756,605	8,835,272	110,528,947	12.51
1897.....	41,175	18,103,387	440	1,448,271	8,701,705	106,952,471	12.29
1896.....	36,101	16,849,401	467	1,347,952	8,511,444	88,900,135	10.44
1895.....	34,383	15,961,502	464	1,276,920	8,321,173	99,655,895	11.98
1894.....	27,670	11,532,127	417	922,570	8,227,153	94,055,392	11.43
1893.....	21,519	8,582,568	399	686,605	8,054,612	101,886,557	12.65
1892.....	22,026	10,350,474	470	828,038	8,080,206	110,562,493	13.68
1891.....	22,961	11,779,448	513	942,356	7,834,213	130,866,023	16.70
1890.....	25,953	11,594,518	447	927,561	7,912,297	114,382,305	14.46
1889.....	21,211	7,223,478	341	577,878	7,758,583	106,500,799	13.73
1888.....	21,459	10,020,659	467	801,653	7,616,350	124,244,503	16.31
1887.....	17,924	5,695,761	318	455,661	7,429,084	99,583,524	13.40
1886.....	18,170	8,787,743	484	703,019	7,403,281	104,001,865	14.05
1885.....	16,435	7,660,729	466	612,858	7,350,443	110,068,586	14.97
1884.....	18,341	8,655,184	472	692,415	7,203,958	120,615,798	16.74
1883.....	17,219	6,252,015	363	500,161	7,542,623	114,754,141	15.21
1882.....	15,792	7,711,420	488	616,913	7,125,223	136,939,533	19.22
Annual Averages:							
1932-1941.....	32,429	13,315,696	411	1,599,795	9,066,979	140,474,327	15.49
1922-1931.....	33,583	13,572,069	404	2,499,006	10,148,736	225,244,606	22.19
1912-1921.....	45,147	19,038,931	422	2,954,339	*9,785,960	*267,211,002	27.31
1902-1911.....	70,809	33,245,680	470	2,659,654	9,233,879	156,824,689	16.98
1882-1943.....	39,575	17,313,903	437	1,960,390	9,020,933	169,501,219	18.79

\*Including Flax. 1918-1921.

No statistics of "mixed grains" were taken previous to 1907, when an acreage of 443,100

was estimated



STATISTICS OF FARM CROPS

The following table gives the area in Cleared Pasture for the years 1909 to 1943.

Years	Pasture (cleared)	Years	Pasture (cleared)
	Acres		Acres
1943	2,915,000	1925	3,193,941
1942	2,717,000	1924	3,317,532
1941	2,701,000	1923	3,472,642
1940	2,712,000	1922	3,401,033
1939	2,749,462	1921	3,401,998
1938	2,793,291	1920	3,432,620
1937	2,782,811	1919	3,499,802
1936	2,828,310	1918	3,561,754
1935	2,831,416	1917	3,509,945
1934	2,908,275	1916	3,409,581
1933	2,995,468	1915	3,350,420
1932	3,012,529	1914	3,302,503
1931	3,039,026	1913	3,120,146
1930	3,149,460	1912	3,082,671
1929	3,134,614	1911	3,116,768
1928	3,000,172	1910	3,159,712
1927	3,012,786	1909	3,180,780
1926	3,077,424		

STATISTICS OF FARM CROPS

ALSIKE AND SWEET CLOVER

The following table gives the area, produce and market value of Alsike and Sweet Clover for the years 1925 to 1943.

Years	Alsike				Sweet Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				\$				\$
1943	54,000	81,000	1.50	792,000	187,000	410,000	2.19	2,628,000
1942	36,500	52,000	1.43	509,000	182,000	391,000	2.15	2,389,000
1941	80,000	87,000	1.09	835,000	210,000	370,000	1.76	2,353,000
1940	71,700	108,000	1.50	665,000	238,700	539,000	2.26	2,382,000
1939	82,297	108,000	1.31	751,000	239,370	507,000	2.12	2,618,000
1938	95,405	130,834	1.37	779,778	233,594	496,328	2.12	2,451,863
1937	55,867	76,268	1.37	515,752	191,360	393,800	2.06	1,900,548
1936	78,570	102,277	1.30	711,660	309,407	598,902	1.94	2,977,973
1935	59,071	90,969	1.54	559,749	289,956	693,022	2.39	2,966,209
1934	67,386	73,503	1.09	844,704	284,224	502,960	1.77	4,728,875
1933	92,306	125,844	1.36	882,624	303,072	630,039	2.08	3,244,726
1932	95,113	143,668	1.51	918,106	318,552	705,119	2.21	3,701,809
1931	97,128	152,516	1.57	1,276,341	306,067	669,446	2.19	4,519,783
1930	141,480	206,020	1.46	2,010,571	338,234	704,281	2.08	5,363,894
1929	189,848	289,560	1.53	2,958,780	388,106	803,576	2.07	6,595,169
1928	155,867	235,325	1.51	2,457,119	413,468	924,608	2.24	7,067,707
1927	176,870	290,345	1.64	2,991,247	400,296	927,342	2.32	7,075,797
1926	129,477	179,664	1.39	2,217,556	365,102	810,852	2.22	7,222,221
1925	177,382	259,649	1.46	2,855,850	344,114	792,340	2.30	7,144,050

STATISTICS OF FARM CROPS  
RATIOS OF AREA UNDER CROP

The following table shows the number of acres under the various crops per 1,000 acres of cleared land for the years 1882 to 1943, together with the annual averages for the various periods of ten years and for the whole term of years.

Year	Fall Wheat	Spring Wheat	Barley	Oats	Peas	Beans	Rye	Buckwheat	Corn	Potatoes	*Roots	Hay and Clover	Mixed Grains
1943	39.6	2.518.4	96.1	2.1	4.5	4.2	10.5	32.8	7.7	3.8	173.1	59.0	
1942	49.7	2.823.2	129.1	2.2	4.1	5.2	8.3	36.6	8.0	3.8	163.4	75.6	
1941	37.3	3.024.0	129.6	2.4	6.2	4.9	7.7	35.6	7.9	4.0	161.4	76.7	
1940	50.8	4.532.7	147.6	3.6	5.6	5.3	11.9	34.4	9.6	6.4	156.4	59.9	
1939	48.2	5.434.3	149.2	3.4	4.1	5.0	11.0	34.0	9.3	9.1	157.5	60.0	
1938	48.4	5.735.5	147.7	3.4	3.9	4.8	12.0	32.8	9.5	8.3	159.3	58.0	
1937	46.9	6.136.3	147.8	3.8	3.7	4.9	12.7	31.5	9.8	8.3	161.5	58.1	
1936	33.5	6.434.1	154.2	4.4	3.7	3.5	12.9	31.0	9.5	8.8	165.0	62.6	
1935	36.5	6.534.4	156.2	4.5	3.7	3.9	12.3	32.4	9.8	9.1	166.2	60.9	
1934	28.0	6.432.0	157.5	4.5	3.3	3.7	14.1	31.9	10.8	9.1	172.6	62.0	
1933	36.8	6.430.4	152.4	3.9	3.4	3.6	13.6	27.8	10.4	8.7	182.3	62.3	
1932	35.3	6.630.1	154.1	3.9	4.1	3.8	13.0	27.4	10.3	8.8	183.2	65.0	
1931	34.6	6.528.8	153.5	3.9	5.0	4.1	11.8	25.6	11.1	9.2	188.3	66.7	
1930	44.6	6.540.2	162.6	5.3	4.4	3.5	18.1	29.1	10.5	9.4	187.7	63.1	
1929	45.6	7.041.0	154.0	5.2	4.2	3.4	19.4	26.9	9.8	9.3	192.2	58.9	
1928	45.8	7.240.6	175.5	7.3	3.4	4.4	17.9	27.0	12.0	10.1	185.5	59.8	
1927	49.6	7.934.0	177.7	7.0	3.1	4.8	16.5	28.4	10.6	9.5	187.1	52.8	
1926	53.4	7.629.7	187.3	6.5	3.4	5.7	15.5	36.2	10.2	9.8	191.1	51.0	
1925	49.5	7.528.9	187.9	8.8	4.0	6.5	17.1	38.5	10.8	9.8	234.7	45.1	
1924	47.9	6.729.1	191.7	8.7	3.5	8.4	15.9	44.2	11.2	9.6	235.1	42.8	
1923	47.6	7.430.1	197.1	7.8	2.7	8.2	15.3	46.2	10.9	8.3	238.9	43.1	
1922	54.2	8.328.9	202.1	7.0	2.7	10.2	13.2	46.9	11.5	8.4	238.1	36.8	
1921	41.4	10.230.8	206.1	7.1	1.8	8.2	9.9	45.9	10.9	8.8	236.5	41.2	
1920	51.0	17.932.4	192.5	7.3	1.5	8.9	9.6	46.3	10.5	10.4	247.1	38.9	
1919	41.6	24.238.2	179.5	8.5	1.5	9.4	12.0	41.7	10.6	9.9	245.3	42.2	
1918	24.5	23.844.6	197.6	7.7	6.8	7.6	15.1	38.9	11.2	10.3	244.2	41.9	
1917	39.8	12.437.4	187.6	6.1	7.5	9.0	10.4	52.3	10.0	11.4	240.9	35.0	
1916	47.9	9.835.9	183.0	6.5	3.7	10.1	15.6	47.5	9.5	10.8	236.2	33.1	
1915	55.5	11.137.8	196.4	8.7	4.3	11.9	13.2	51.5	11.9	11.9	221.0	32.5	
1914	47.0	8.139.7	190.2	12.2	3.5	9.5	12.1	48.6	11.5	11.5	234.0	31.3	
1913	44.5	8.043.0	186.0	12.2	4.6	8.2	15.7	47.4	11.0	12.0	236.2	28.5	
1912	52.6	8.544.8	180.1	15.3	4.8	7.4	14.3	47.0	11.0	12.8	233.1	31.0	
1911	58.2	9.342.9	187.7	21.2	3.6	6.9	13.1	44.8	11.3	13.4	229.6	33.8	
1910	51.9	9.043.7	192.5	28.2	3.5	6.6	13.6	45.2	11.8	14.5	223.7	34.8	
1909	46.5	9.548.8	189.0	26.7	3.2	6.6	12.4	42.9	11.9	14.5	226.5	33.3	
1908	48.1	10.151.9	196.3	28.1	3.3	6.2	9.9	37.7	11.8	14.9	230.2	32.3	
1907	47.9	10.254.3	207.7	24.1	3.4	4.8	8.0	38.2	12.6	15.1	233.0	31.4	
1906	55.8	12.253.6	192.6	29.1	3.6	5.7	7.5	33.3	9.7	14.7	217.6	.....	
1905	57.2	13.655.5	191.5	26.9	3.6	7.3	7.3	34.4	9.5	15.1	216.8	.....	
1904	43.8	16.355.9	192.2	24.6	3.7	9.5	7.3	37.9	9.7	15.3	211.9	.....	
1903	48.8	18.252.0	193.4	29.9	3.9	13.1	7.0	43.2	10.2	16.4	204.0	.....	
1902	55.2	22.348.8	184.3	39.2	4.0	13.9	6.9	42.9	10.7	16.3	195.0	.....	
1901	67.8	26.647.4	179.3	44.9	4.0	11.8	6.6	38.8	11.5	16.1	190.3	.....	
1900	80.4	28.343.4	180.4	49.8	3.3	10.7	7.7	38.4	12.3	16.7	190.0	.....	
1899	80.1	30.437.4	180.3	56.7	3.1	10.5	10.1	38.6	12.8	16.6	191.1	.....	
1898	80.7	30.033.8	182.9	66.6	3.4	12.7	11.5	40.1	13.1	16.4	188.8	.....	
1897	73.9	25.235.1	189.3	69.8	3.9	14.6	11.8	42.3	13.2	15.7	182.2	.....	
1896	69.2	20.236.5	191.4	65.5	5.4	11.7	11.5	39.2	14.1	15.4	191.5	.....	
1895	59.8	18.038.5	191.0	64.4	5.8	9.7	10.9	36.4	14.9	16.0	204.2	.....	
1894	63.4	18.739.6	190.6	63.9	4.8	7.3	11.8	30.8	13.6	15.2	209.6	.....	
1893	75.5	29.438.6	159.9	61.0	4.0	5.6	11.0	25.9	11.8	13.9	228.4	.....	
1892	80.6	54.341.7	155.3	64.6	2.8	6.1	10.4	22.8	12.2	13.4	209.8	.....	
1891	72.0	43.346.9	156.0	63.8	3.5	5.7	9.1	20.4	13.6	13.4	216.1	.....	
1890	61.8	51.660.2	161.5	67.0	3.4	8.8	7.7	19.2	13.6	12.7	211.2	.....	
1889	71.6	34.776.3	167.6	61.7	1.9	7.9	4.9	16.3	12.7	12.5	208.0	.....	
1888	73.2	32.579.2	163.6	61.6	2.0	7.4	5.1	19.7	13.6	12.9	202.8	.....	
1887	80.8	43.669.1	151.5	65.4	1.9	6.2	5.8	14.7	12.6	11.9	205.3	.....	
1886	81.0	52.867.3	148.3	64.4	1.9	6.2	6.5	14.3	12.8	11.5	209.8	.....	
1885	80.6	73.655.1	142.2	59.5	2.3	7.2	5.7	15.5	14.7	11.7	208.9	.....	
1884	80.5	67.265.2	138.0	53.2	2.3	9.6	6.7	16.3	15.7	12.4	204.3	.....	
1883	104.1	55.671.8	134.6	51.5	2.5	17.8	6.4	20.3	15.8	12.0	223.1	.....	
1882	116.8	57.783.4	136.4	55.1	1.9	18.2	4.9	20.3	15.8	10.3	179.5	.....	
Annual Averages:													
1932-1941	40.2	5.732.4	149.6	3.8	4.2	4.3	12.1	31.9	9.7	6.1	166.5	62.6	
1922-1931	47.3	7.333.1	178.9	6.7	3.6	5.9	16.1	34.9	10.9	9.3	207.8	52.0	
1912-1921	44.5	13.438.4	189.9	9.1	4.0	9.0	12.9	46.6	10.0	11.0	237.5	35.6	
1902-1911	51.3	13.050.7	192.8	27.7	3.6	8.0	9.4	40.1	10.9	15.8	219.0	33.1	
1882-1943	54.4	17.541.6	173.2	24.8	3.7	7.5	11.3	35.1	11.3	9.9	202.1	49.0	

\*Mangels and turnips. †1907-1911. ‡1907-1943.

## STATISTICS OF FARM CROPS

## MARKET PRICES

The following table gives the average Market Prices of Agricultural Products for the years 1882 to 1943, together with the annual averages for the various periods of ten years and for the whole term of years.

Years	Fall Wheat per bush.	Spring Wheat per bush.	Oats per bush.	Barley per bush.	Peas per bush.	Beans per bush.	Rye per bush.	Buckwheat per bush.	Corn (shelled) per bush.	Hay per ton	Potatoes per cwt.
	cents	cents	cents	cents	cents	\$ c.	cents	cents	cents	\$ c.	cents
1943.....	107.0	106.0	55.0	66.0	206.0	2.15	86.0	74.0	88.0	9.37	227.0
1942.....	88.0	88.0	44.0	57.0	199.0	1.50	65.0	61.0	80.0	8.89	170.0
1941.....	94.0	90.0	44.0	56.0	187.0	1.65	66.0	58.0	74.0	10.48	120.0
1940.....	63.0	65.0	32.0	44.0	187.0	1.75	50.0	46.0	55.0	6.56	111.0
1939.....	64.0	66.0	34.0	46.0	177.0	2.25	58.0	52.0	55.0	7.61	113.0
1938.....	56.0	58.0	27.9	40.8	150.0	1.00	43.5	41.1	43.0	6.92	77.8
1937.....	103.9	102.4	42.1	58.5	156.0	1.07	78.0	59.6	60.5	7.14	60.4
1936.....	109.0	108.0	48.0	80.0	155.0	2.02	84.0	69.0	68.0	8.79	135.0
1935.....	71.0	73.0	28.0	40.0	95.0	1.45	40.0	40.0	45.0	7.08	100.0
1934.....	88.0	85.0	35.0	50.0	85.0	1.27	55.0	47.0	65.0	12.62	55.0
1933.....	66.0	67.0	33.0	41.0	80.0	.92	51.0	42.0	56.0	8.41	100.0
1932.....	46.0	45.0	25.0	36.0	65.0	.49	37.0	35.0	45.0	7.24	69.0
1931.....	51.6	50.9	25.0	36.5	62.6	.58	41.9	42.3	39.8	8.43	39.3
1930.....	66.3	65.5	29.7	35.9	104.8	1.44	48.5	51.7	69.3	10.42	99.5
1929.....	124.0	125.2	62.4	76.5	163.0	3.03	97.1	83.2	100.2	11.28	180.0
1928.....	122.0	119.2	55.5	74.2	152.8	3.83	95.2	81.5	102.2	11.23	93.0
1927.....	124.7	122.1	57.3	77.6	149.8	2.35	95.3	77.9	99.5	11.02	147.0
1926.....	125.1	125.1	51.8	68.0	150.6	2.34	87.2	77.0	80.3	12.75	188.2
1925.....	133.6	133.0	45.2	68.1	135.5	2.11	87.1	73.2	88.6	11.61	228.2
1924.....	133.9	137.0	54.2	82.2	151.1	2.29	107.5	86.7	105.3	10.91	89.2
1923.....	96.2	96.3	45.4	62.8	144.8	2.43	73.7	73.2	75.5	11.05	124.7
1922.....	104.6	105.1	43.5	61.3	140.3	2.54	78.4	73.5	69.9	12.03	85.0
1921.....	110.5	109.4	50.4	65.7	153.0	2.35	82.6	74.0	59.1	19.27	147.0
1920.....	193.4	183.8	58.2	93.8	193.3	2.88	142.0	105.5	99.6	24.25	165.3
1919.....	237.2	240.9	97.7	145.8	263.9	4.00	159.1	140.7	162.3	22.68	275.3
1918.....	210.9	208.6	75.0	103.6	217.7	4.49	151.7	135.0	157.4	18.13	165.5
1917.....	209.8	209.7	77.9	125.7	321.0	6.91	162.6	142.9	186.0	11.81	205.3
1916.....	161.3	162.2	66.0	101.9	210.5	5.46	118.8	109.0	111.5	10.60	216.8
1915.....	97.1	98.6	39.5	56.0	161.6	3.11	78.9	71.5	68.1	14.51	135.7
1914.....	109.1	107.9	49.5	64.3	136.6	2.14	84.9	71.5	68.6	14.55	73.3
1913.....	85.0	87.9	36.9	55.5	100.6	1.70	66.2	63.5	64.5	13.07	106.2
1912.....	91.7	90.0	38.6	58.7	110.3	1.93	70.0	54.5	55.8	11.77	106.2
1911.....	86.6	90.7	44.2	73.9	98.2	1.90	84.9	60.4	66.3	13.16	140.3
1910.....	86.6	89.6	35.0	52.0	80.7	1.55	63.2	50.0	56.0	9.91	82.0
1909.....	102.3	100.6	39.5	54.8	84.6	1.61	67.4	53.4	64.4	12.81	60.8
1908.....	89.2	90.8	40.3	52.4	82.7	1.48	69.7	54.2	60.0	10.25	79.8
1907.....	92.7	86.4	48.8	59.4	78.0	1.52	69.4	57.4	42.6	15.11	97.2
1906.....	70.7	68.9	34.0	45.0	70.6	1.39	60.9	49.5	56.4	9.10	89.7
1905.....	76.5	74.9	33.6	42.9	65.3	1.32	56.8	50.0	55.4	7.72	76.7
1904.....	98.7	94.2	32.3	43.7	63.0	1.22	57.6	48.6	56.1	7.97	84.5
1903.....	75.1	74.4	29.3	42.1	64.3	1.41	48.6	44.3	55.4	7.94	73.5
1902.....	70.7	69.6	34.8	45.1	71.0	1.35	50.5	48.0	60.9	8.15	94.3
1901.....	66.1	66.8	36.2	45.0	65.3	1.25	49.3	48.4	57.0	7.99	71.0
1900.....	66.4	67.5	26.5	38.9	57.1	1.00	48.5	43.7	47.6	8.48	43.5
1899.....	66.7	66.5	27.7	39.5	57.3	1.08	50.0	45.5	29.7	7.72	54.7
1898.....	69.4	69.2	25.8	38.0	52.2	.70	43.5	38.2	30.2	6.22	73.5
1897.....	78.2	78.6	22.6	27.0	42.1	.65	37.7	30.0	29.6	7.18	66.5
1896.....	71.0	70.6	20.0	31.6	44.0	.68	36.6	30.5	29.4	9.68	43.5
1895.....	69.3	69.8	29.1	40.4	54.8	.95	45.6	36.8	33.9	12.30	33.7
1894.....	55.0	55.5	30.8	40.5	53.6	1.10	44.2	39.2	39.2	7.56	59.0
1893.....	59.9	59.4	33.2	40.1	54.0	1.18	47.5	41.8	39.8	7.64	65.8
1892.....	70.7	67.8	30.8	41.3	59.0	.99	55.8	42.2	39.5	8.20	84.0
1891.....	95.1	92.9	36.5	49.1	63.8	1.06	72.3	44.1	46.7	11.91	54.3
1890.....	94.2	91.3	41.1	50.2	60.3	1.29	52.7	43.0	45.8	7.95	74.0
1889.....	88.4	88.1	30.5	44.0	55.7	1.27	50.9	39.5	38.9	9.98	75.8
1888.....	102.4	99.3	40.5	60.1	65.4	1.14	60.2	49.3	44.0	16.17	52.8
1887.....	78.4	78.0	34.6	56.7	55.9	.98	49.5	45.0	43.1	11.62	104.7
1886.....	73.6	72.5	32.0	51.3	52.6	.84	52.2	33.7	41.4	9.69	74.8
1885.....	81.5	80.6	31.5	55.2	58.0	.80	55.2	39.2	41.9	9.85	68.5
1884.....	80.5	81.4	33.1	53.6	64.4	1.18	59.7	40.0	67.5	9.56	66.7
1883.....	105.0	107.0	38.0	57.0	71.0	.....	62.0	.....	.....	9.02	103.3
1882.....	101.0	106.0	43.0	65.0	74.0	1.97	64.0	40.0	60.0	11.54	106.7
Annual Averages											
1932-1941	74.0	75.1	34.4	48.9	127.2	1.41	56.0	48.3	57.5	8.06	91.0
1922-1931	110.6	108.5	47.1	64.2	139.3	2.23	83.2	73.3	81.6	11.08	121.0
1912-1921	144.5	171.6	58.5	86.0	172.3	2.35	111.4	94.4	93.5	15.88	150.2
1902-1911	83.6	81.2	36.7	50.1	74.8	1.48	60.2	52.4	57.3	9.97	85.7
1882-1943	94.2	96.3	41.6	57.5	72.6	1.81	71.9	63.2	*64.1	10.76	98.9

## STATISTICS OF LIVE STOCK

## NUMBER OF LIVE STOCK ON HAND

The following table gives the number of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the sixty-two years, 1882-1943.

Years	Horses	Cattle	Sheep	Swine	Poultry
	No.	No.	No.	No.	No.
1943	522,187	2,692,672	737,486	1,885,600	26,692,812
1942	526,976	2,639,212	688,904	1,861,298	24,621,791
1941	533,742	2,641,046	661,900	1,922,357	23,092,833
1940	559,863	2,518,350	694,600	1,997,957	22,901,148
1939	559,468	2,488,041	735,500	1,546,095	22,841,667
1938	560,711	2,492,258	762,000	1,430,309	22,420,047
1937	557,845	2,453,081	793,000	1,457,886	22,536,141
1936	562,916	2,474,194	819,100	1,408,308	22,958,383
1935	562,877	2,469,231	889,700	1,225,310	22,961,834
1934	563,657	2,494,471	920,500	1,177,913	22,802,578
1933	567,093	2,522,180	972,900	1,257,870	22,991,456
1932	578,615	2,528,615	1,025,400	1,375,115	22,929,143
1931	578,157	2,509,205	1,044,600	1,359,176	23,736,125
1930	606,719	2,675,488	1,134,457	1,661,556	22,560,260
1929	606,505	2,671,594	1,130,395	1,681,263	22,045,091
1928	609,249	2,682,053	1,014,106	1,833,538	19,703,576
1927	617,136	2,709,954	956,267	1,883,177	19,048,045
1926	629,659	2,757,799	886,483	1,735,355	17,693,000
1925	644,138	2,809,373	868,526	1,678,595	17,778,581
1924	663,875	2,917,302	870,279	1,807,903	16,751,345
1923	673,371	2,838,087	907,673	1,734,734	15,203,384
1922	685,852	2,836,181	986,617	1,553,434	13,964,317
1921	694,237	2,890,113	1,081,828	1,563,807	11,458,206
1920	704,640	2,881,827	1,129,084	1,614,356	11,005,645
1919	719,569	2,927,191	1,101,740	1,695,487	11,705,809
1918	732,977	2,867,722	972,341	1,656,386	12,281,105
1917	765,873	2,827,609	956,986	1,664,639	13,606,292
1916	775,732	2,734,767	908,066	1,735,254	14,377,844
1915	779,131	2,674,746	908,095	1,769,295	14,273,091
1914	774,544	2,604,628	922,375	1,770,533	14,175,214
1913	751,726	2,628,845	996,155	1,618,734	13,511,383
1912	742,139	2,624,780	1,021,848	1,702,652	13,024,938
1911	737,916	2,593,205	1,040,245	1,744,983	12,942,293
1910	724,384	2,567,128	1,065,101	1,561,042	12,460,787
1909	728,308	2,668,584	1,130,667	1,551,187	12,086,580
1908	726,471	2,824,859	1,143,898	1,818,763	12,285,613
1907	725,666	2,926,236	1,106,083	2,049,666	13,428,076
1906	688,147	2,963,618	1,304,809	1,819,778	10,254,824
1905	672,781	2,889,503	1,324,153	1,906,460	9,738,493
1904	655,554	2,776,304	1,455,482	2,008,984	9,412,683
1903	639,581	2,674,261	1,642,627	1,977,386	9,683,573
1902	626,106	2,562,584	1,715,513	1,684,635	9,762,808
1901	620,343	2,507,620	1,761,799	1,491,885	9,745,236
1900	617,309	2,429,330	1,797,213	1,771,641	9,541,241
1899	615,524	2,318,355	1,772,604	1,971,070	9,344,024
1898	611,241	2,215,943	1,677,014	1,640,787	9,084,273
1897	813,670	2,182,326	1,690,350	1,284,963	8,435,341
1896	624,749	2,181,958	1,849,348	1,269,631	7,734,167
1895	647,696	2,150,103	2,022,735	1,299,072	7,752,840
1894	674,777	2,099,301	2,015,805	1,142,133	7,552,662
1893	685,187	2,057,882	1,935,938	1,012,022	7,114,436
1892	688,814	2,029,140	1,850,473	996,974	7,078,973
1891	678,459	1,978,815	1,693,751	1,156,316	7,006,090
1890	659,636	1,894,712	1,339,695	1,140,559	6,854,864
1889	618,795	1,891,899	1,344,180	835,469	6,304,298
1888	596,218	1,928,638	1,349,044	819,079	6,164,114
1887	575,361	1,948,264	1,396,161	832,817	6,438,361
1886	569,649	2,018,173	1,610,949	860,125	6,968,915
1885	558,809	1,976,480	1,755,605	822,262	6,336,805
1884	535,953	1,925,670	1,890,733	916,158	6,237,606
1883	560,133	1,828,613	1,868,784	906,727	5,847,344
1882	503,604	1,586,312	1,915,303	850,226	5,352,120

## VALUE OF LIVE STOCK ON HAND

The following table gives the value of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the sixty-two years, 1882-1943, except for the ten years, 1882-1891, when farm live stock was valued in bulk.

Years	Horses	Cattle	Sheep	Swine	Poultry	Total
	\$	\$	\$	\$	\$	\$
1943	44,909,000	145,061,000	5,833,500	20,800,000	16,929,000	233,532,500
1942	47,779,000	125,648,900	5,797,000	21,317,966	13,163,448	213,706,314
1941	45,633,501	119,265,685	5,117,342	19,580,527	11,230,889	200,827,944
1940	57,885,423	102,535,567	6,458,560	20,690,702	14,600,381	202,170,633
1939	63,494,747	90,905,107	5,666,615	17,066,957	14,448,250	191,581,676
1938	54,709,549	88,251,957	5,805,219	18,751,968	13,698,332	181,217,025
1937	57,286,273	93,360,874	6,088,540	15,462,386	13,989,813	186,187,886
1936	61,229,630	76,949,305	5,790,872	13,313,339	12,416,378	169,699,524
1935	57,946,376	72,031,320	5,488,972	12,348,955	11,987,918	159,803,541
1934	54,492,559	66,581,103	5,335,210	10,971,007	11,631,434	149,011,313
1933	49,889,016	69,379,352	5,533,134	8,732,796	12,036,762	145,571,060
1932	43,507,517	78,323,693	5,111,312	7,219,718	10,418,176	144,580,416
1931	50,528,572	91,834,417	6,652,107	11,987,324	10,729,925	171,732,345
1930	60,606,827	136,496,344	10,835,770	18,643,164	13,372,682	239,954,787
1929	66,603,793	150,480,760	12,457,554	20,430,803	13,473,814	263,446,724
1928	67,085,352	128,937,680	11,209,872	19,808,890	12,452,203	239,493,997
1927	66,724,527	117,162,152	10,433,761	24,159,535	12,333,645	231,145,720
1926	68,239,756	115,386,214	9,688,685	24,525,126	12,400,985	230,240,766
1925	69,787,791	115,844,069	9,576,722	24,424,238	13,527,454	233,160,274
1924	72,617,565	113,046,599	7,081,500	16,201,699	13,446,621	222,393,984
1923	74,542,351	109,467,066	6,597,087	19,018,668	12,401,083	222,026,255
1922	74,535,855	103,899,416	6,612,959	16,550,636	12,241,252	213,840,118
1921	75,680,750	103,861,565	8,207,564	19,205,488	11,168,318	218,123,685
1920	89,606,594	176,897,490	16,191,741	32,253,804	11,787,708	326,737,337
1919	92,823,683	184,041,594	18,128,240	33,263,051	11,351,364	339,607,932
1918	95,710,928	172,259,261	15,690,055	31,140,181	9,307,051	324,107,476
1917	99,439,558	150,309,828	9,946,030	21,464,366	8,517,195	289,676,977
1916	101,434,391	128,324,526	7,386,710	18,790,755	7,933,157	263,869,539
1915	107,982,037	115,363,336	6,403,907	17,562,726	7,670,326	254,982,332
1914	112,576,793	106,635,148	6,155,451	17,951,258	7,551,428	250,870,078
1913	113,240,047	95,759,022	6,242,672	15,393,192	6,956,952	237,591,885
1912	109,000,214	90,403,902	6,181,595	14,141,908	6,121,323	225,848,942
1911	103,373,206	84,634,962	6,213,021	14,593,917	5,905,318	214,720,424
1910	92,757,431	76,872,723	6,127,018	13,265,834	5,393,031	194,416,037
1909	87,682,689	75,247,197	6,262,493	11,144,135	4,411,386	184,747,900
1908	85,847,391	77,255,267	6,336,265	12,135,979	4,439,854	186,014,756
1907	85,041,144	79,485,780	5,928,325	14,174,502	4,854,381	189,484,132
1906	79,814,953	80,303,276	6,721,119	12,770,708	3,697,338	183,307,394
1905	73,911,177	76,764,482	6,191,774	12,280,667	3,335,660	172,483,760
1904	68,138,228	72,821,003	6,425,100	12,921,743	3,077,029	163,383,103
1903	61,811,456	69,289,924	7,228,498	13,023,743	2,973,646	154,327,267
1902	55,173,637	63,517,342	7,634,284	11,262,265	2,957,286	140,544,814
1901	50,038,465	59,527,119	7,772,793	9,298,712	2,859,172	129,496,261
1900	46,916,999	56,320,810	7,711,496	9,598,153	2,727,363	123,274,821
1899	42,713,557	52,938,500	7,315,729	10,180,338	2,658,321	115,806,445
1898	38,659,896	47,286,254	6,499,695	8,720,242	2,578,136	103,744,223
1897	36,111,805	42,683,557	6,003,194	6,533,210	2,318,038	93,649,804
1896	37,185,692	44,383,638	6,652,202	6,505,227	2,130,807	96,857,566
1895	40,283,754	46,708,017	7,708,442	7,101,211	2,156,623	103,958,047
1894	46,245,614	47,577,587	8,606,671	6,909,262	2,208,518	111,547,652
1893	50,527,472	47,718,025	9,016,118	6,622,129	2,187,158	116,070,902
1892	55,812,920	45,548,475	8,569,557	5,479,093	2,091,450	117,501,495
1891						108,721,076
1890						104,086,626
1889						105,731,288
1888						102,839,235
1887						104,406,655
1886						107,208,935
1885						100,690,086
1884						103,106,829
1883						100,082,365
1882						80,540,720

VALUES PER HEAD OF LIVE STOCK AND POULTRY ON HAND FOR THE YEARS  
1892 TO 1943

Years	Horses all Ages	Cattle		Sheep and Lambs	Swine all Ages	Poultry all Kinds
		Milch Cows	Other Cattle			
	\$	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1943.....	86	79 32	34 33	7 91	11 03	63
1942.....	90	68 69	31 33	8 41	11 45	53
1941.....	85	65 20	29 89	7 73	10 19	49
1940.....	103	55 42	27 43	7 88	10 36	64
1939.....	113	49 42	24 86	6 69	11 04	63
1938.....	98	46 75	28 39	6 76	13 11	61
1937.....	103	47 96	28 92	6 96	10 60	62
1936.....	109	43 40	19 86	6 53	9 45	54
1935.....	103	40 56	18 71	5 80	10 08	52
1934.....	97	36 94	17 53	5 54	9 31	51
1933.....	88	38 41	17 87	5 73	6 94	52
1932.....	75	43 42	20 18	4 92	5 25	45
1931.....	87	52 79	22 49	6 37	8 81	45
1930.....	100	73 11	32 42	9 55	11 22	59
1929.....	110	80 34	35 61	11 02	12 15	61
1928.....	110	68 33	30 09	11 05	10 80	63
1927.....	108	60 92	27 05	10 91	12 83	65
1926.....	108	59 14	26 84	10 93	14 13	70
1925.....	108	58 55	27 70	11 03	14 55	76
1924.....	109	55 41	27 05	8 14	8 96	80
1923.....	111	55 24	25 14	7 27	10 96	82
1922.....	109	52 68	24 25	6 70	10 65	88
1921.....	109	51 56	24 77	7 59	12 28	97
1920.....	127	85 84	44 67	14 34	19 98	1 07
1919.....	129	88 71	46 37	16 45	19 62	97
1918.....	131	83 55	45 52	16 14	18 80	76
1917.....	130	75 54	39 55	10 39	12 89	63
1916.....	131	66 35	34 91	8 13	10 83	55
1915.....	139	60 83	32 18	7 05	9 93	54
1914.....	145	57 01	30 81	6 67	10 14	53
1913.....	151	50 56	27 29	6 27	9 51	51
1912.....	147	47 82	25 61	6 05	8 31	47
1911.....	140	45 31	24 07	5 97	8 36	46
1910.....	128	40 76	22 43	5 75	8 50	43
1909.....	120	38 19	21 45	5 54	7 18	37
1908.....	118	36 90	21 13	5 54	6 67	36
1907.....	117	36 43	21 15	5 36	6 92	36
1906.....	116	35 99	21 62	5 15	7 02	36
1905.....	110	35 06	21 29	4 68	6 44	34
1904.....	104	34 70	20 84	4 41	6 43	33
1903.....	97	34 15	20 58	4 40	6 59	31
1902.....	88	32 96	19 46	4 45	6 69	30
1901.....	81	31 74	18 57	4 41	6 23	29
1900.....	76	31 01	17 93	4 29	5 42	29
1899.....	69	30 31	17 41	4 13	5 16	28
1898.....	63	28 28	15 98	3 88	5 31	28
1897.....	59	26 13	14 58	3 55	5 08	27
1896.....	60	27 60	15 05	3 60	5 12	28
1895.....	62	29 74	16 08	3 81	5 47	28
1894.....	69	31 02	17 15	4 27	6 05	29
1893.....	74	31 63	17 78	4 66	6 54	31
1892.....	81	29 95	17 69	4 63	5 50	30











FORTY-SECOND ANNUAL REPORT  
OF THE  
**Temiskaming and Northern Ontario  
Railway Commission**

ONTARIO GOVERNMENT RAILWAY  
HONOURABLE GEORGE A. DREW, PREMIER

FOR THE YEAR ENDED  
**March 31st, 1943**

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL PAPER No. 23, 1944



ONTARIO

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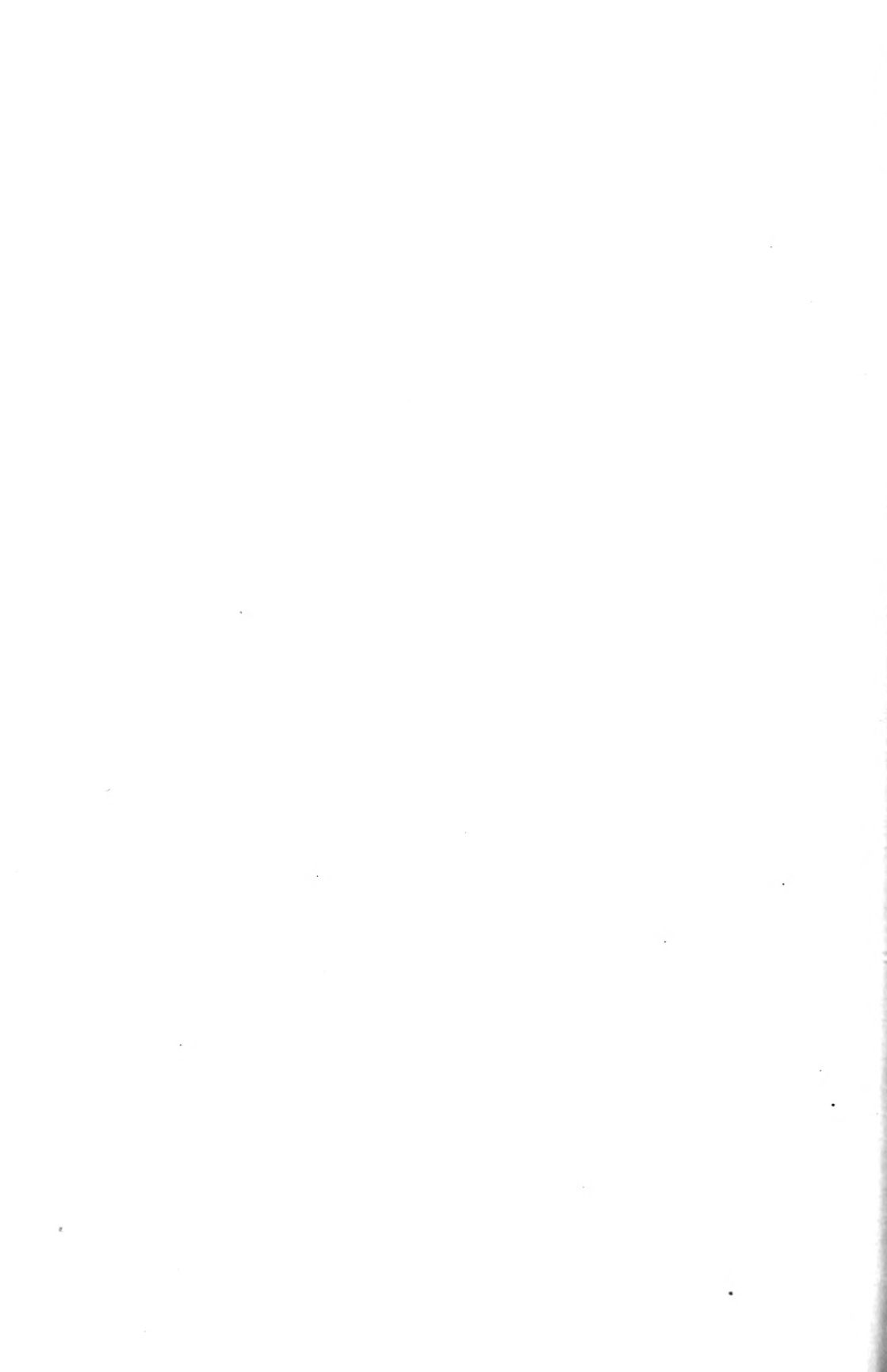
TO THE HONOURABLE ALBERT MATTHEWS,  
Lieutenant-Governor the Province of Ontario,

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Forty-Second Annual Report of the Temiskaming and Northern Ontario Railway Commission for the year ended March 31st, 1943.

Respectfully submitted,

GEORGE A. DREW,  
Prime Minister and President of the Council



TEMISKAMING AND NORTHERN ONTARIO  
RAILWAY COMMISSION

---

PRINCIPAL OFFICERS OF THE RAILWAY

Chairman and General Manager	A. H. CAVANAGH	North Bay
Secretary Treasurer and Assistant to General Manager	A. FREEMAN	North Bay
Chief Engineer	S. B. CLEMENT	North Bay
Superintendent of Motive Power and Car Equipment	F. G. FOSTER	North Bay
Superintendent	A. JARDINE	Englehart
General Auditor	D. HAMILTON	North Bay
Traffic Manager	C. O. BAKER	North Bay
General Freight and Passenger Agent	R. P. C. MCLEOD	North Bay
Purchasing Agent and Storekeeper	G. B. ALFORD	North Bay
Superintendent of Telegraph and Telephone Service	G. M. SIMPSON	North Bay





## TEMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION

HONOURABLE GEORGE A. DREW,  
Prime Minister,  
Province of Ontario,  
Parliament Buildings,  
Toronto, Ontario.

SIR:

In conformity with Section 36 of the Temiskaming and Northern Ontario Railway Act, Chapter 55, Revised Statutes of Ontario 1937, I have the honour of submitting the Forty-Second Annual Report of the Temiskaming and Northern Ontario Railway Commission for the fiscal year ended March 31st, 1943.

### RAILWAY EARNINGS AND EXPENSES

Results of railway operations as compared with previous year.

	Year ended March 31, 1943	Year ended March 31, 1942	Increase or Decrease
Operating Revenues.....	\$6,240,648.91	\$6,277,832.75 (d)	\$ 37,183.84
Operating Expenses.....	4,682,531.11	4,479,404.95 (i)	203,126.16
Operating Ratio.....	75%	71.3% (i)	3.7%
Net Operating Revenue.....	\$1,558,117.80	\$1,798,427.80 (d)	\$240,310.00
Non-Operating Income.....	106,262.67	59,507.12 (i)	46,755.55
Gross Income.....	\$1,664,380.47	\$1,857,934.92 (d)	193,554.45
Deductions from Gross Income..... (Hire of freight cars—debit balance; joint facility rents; interest, exchange, etc.)	488,240.25	522,749.60 (d)	30,509.35
To Profit and Loss Account.....	\$1,176,140.22	\$1,335,185.32 (d)	\$159,045.10

(NOTE: For a portion of the fiscal year ended March 31st, 1942, the Nipissing Central Railway, which is a wholly-owned subsidiary of the Commission, was operated as a separate property, but effective September 1st, 1941, the operation of this subsidiary was combined with the operations of the parent System. For purposes of comparison, the earnings and expenses of both Railways for the year ended March 31st, 1942, are consolidated in the table above.)

### PROFIT AND LOSS ACCOUNT

The surplus in the Profit and Loss Account on March 31st, 1943, was \$8,409,978.72, this being a net increase for the year of \$1,155,394.56 as per details shown in the Profit and Loss Statement appended to the General Balance Sheet, which is included in the financial statements.

Operating Revenues decreased by \$37,183.84, or 6/10 of 1% compared with the previous year during which Gross Revenues were the highest in the history of the railway. Freight Revenues decreased by \$188,812.26 or 4.0% while Passenger Revenues increased by \$163,380.27, or 19.5%.

Working Expenses increased by \$203,126.16, or 4.5%. This increase is mainly attributable to increased cost of locomotive fuel and to increased payrolls as result of payment of Wartime Cost of Living Bonuses to employees. These Wartime Cost of Living Bonuses amounted to approximately \$335,000.00 for the year under review. The first Cost of Living Bonus was made effective on June 1st, 1941, under Order in Council P.C. 7440 as amended by P.C. 4643, being at the rate of \$1.93 per week. On September 1st, 1941, the rate was increased to \$3.20 per week, and on November 16th, 1941, under Order-in-Council P.C. 8253 to \$3.65 per week. On August 16th, 1942, the bonus rate was increased to \$4.25 per week.

## NET PROFIT

The Net Profit for the year after payment of all expenses, including interest on bonds held by the public, and making provision for retirement of all abandoned facilities, was \$1,155,394.56, compared with \$1,311,304.97 for the previous fiscal year—this being a reduction of \$155,910.41 or 11.9%. This reduction in Net Profit is entirely attributable to payment of Wartime Cost of Living Bonuses to Employees, and to increased cost of locomotive fuel and supplies generally. Based on the Provincial Government Investment of \$30,207,935, the Net Profits were at the rate of 3.82%.

## FINANCIAL

Following the practice of recent years, surplus earnings were used to reduce the indebtedness of the Railway. The current Bank Loan was reduced by \$1,000,000.00, and by the end of the fiscal year under review the Bank Loan had been reduced to \$400,000.00. Debentures due February 1st, 1943, amounting to \$125,000.00 were also retired. The total debt reduction for the year was therefore \$1,125,000.00.

## TRAFFIC

From reports issued by other Canadian Railways it is apparent that railway revenues generally throughout the Country are at a very high level and increased earnings are being steadily recorded. A comparable condition does not prevail on this Railway, and the reasons for this situation are readily apparent. No great primary war industries have been established in the territory we serve, neither does traffic between Eastern and Western Canada move by this route to any great extent. Not only is this true, but many Communities served by this Railway have suffered an actual reduction in population, due to slowing down of mining operations. This curtailment of mining operations has resulted in the loss of much high class freight traffic which, however, in actual tonnage handled, has been replaced to a large extent by products of the forest, which continue to move in considerable volume, but on which the revenues per ton mile are lower. Thus for the year under review, revenue tons one mile declined only  $\frac{1}{2}$  of 1%, but gross freight revenue declined by 4%. Passenger traffic continues heavy, due to Wartime conditions and restrictions on Highway traffic.

## MANAGEMENT-LABOUR RELATIONSHIPS

No major problem between Management and Employees has arisen during the year. Employees' rates of pay and working conditions are practically uniform on all Canadian Railways and such standard rates and rules are in effect on this Railway.

Upwards of three hundred employees are in the various Armed Forces. When it is recalled that the permanent staff consists of approximately Sixteen Hundred employees, and that many of them are beyond Military age, it will be apparent that a very large percentage of those eligible for Military Service have accepted that responsibility.

Officers and Employees of the Railway have subscribed liberally to Victory Loans and to the purchase of War Savings Certificates through the Payroll Savings medium.

## EMPLOYEES' PENSIONS

Effective November 1st, 1922, the Commission established a Non-Contributory Pension Plan, to provide retirement allowances for employees reaching retirement age. However, in common with many other industries, both the Railway and its Employees found the Non-Contributory Pension Plan to be unsatisfactory. Accordingly, in co-operation with the Employees, a Contributory Pension Plan was made effective on May 1st, 1939, and the older Non-Contributory Plan was closed. The new Contributory Plan is administered by a Pension Board, on which organized labour has representation. The Contri-

butory Plan makes provision for equal contributions by the Employees and by the Railway, and in many respects follows the principles established by the Provincial Government for retirement of employees in the Civil Service.

On March 31st, 1943, employees and their dependents on Pension Payrolls and monthly disbursements were:

	On Pension Employees	Dependents	Total	Monthly Pension Payrolls
Contributory Plan.....	56	23	79	\$3,369.09
Non-Contributory Plan.....	75	—	75	2,718.35
	<u>131</u>	<u>23</u>	<u>154</u>	<u>\$6,087.44</u>

The Contributory Pension Fund established May 1st, 1939, held investments (including cash on hand) of \$674,312.88 on March 31st, 1943, while at the same date there remained \$218,728.77 in the Non-Contributory Fund.

## FIRE INSURANCE

Due to the fact that various buildings and other property of the Railway are widely scattered, it was considered that the Commission could carry its own fire risk. Prior to 1935 fire insurance premiums amounting to approximately \$18,000.00 were paid to Insurance Companies. It was then decided to initiate the new plan by assuming 50% of the fire risk. Accordingly, \$18,000.00 per year was set aside as a Fire Insurance Reserve Fund and from this Fund premiums for 50% of the fire risk were continued to Insurance Companies, and the Commission's proportion of losses was charged to the Reserve Fund. By March, 1938, the Reserve Fund had grown to \$47,000.00, and it was then considered that the Commission could safely assume 100% of its fire risk. Since March 1st, 1938, the Fire Insurance Reserve Fund has grown steadily and on March 31st, 1943, it amounted to \$90,577.20. In addition to this, the annual charges to operating expenses have been reduced from \$18,000.00 to \$12,000.00, thus proving the wisdom of the decision by the Commission to carry its own fire risk.

## IMPROVEMENTS TO PROPERTY

No new rolling stock was purchased during the year and no major capital outlays were made. A certain number of minor improvements to tracks and equipment were, however, made, such as widening embankments and cuts, improved drainage facilities, additional tie plates installed, prepared gravel and crushed rock ballast applied, additional yard tracks built, one new water tank erected, improvements made to telegraph and telephone plant, betterments to shop machinery and locomotives, etc.

## GENERAL

The indications are that revenues for the year ending March 31st, 1944, will not be equal to the year ended March 31st, 1943. Freight earnings are likely to show a recession, while passenger earnings are expected to show only a small increase. The cost of operations will probably increase, due to conditions beyond the control of the Management. It is, therefore, anticipated that net earnings for the current year will be somewhat lower than for the year ended March 31st, 1943. The entry of employees into the Armed Forces and the tight labour situation have resulted in some shortage of skilled help, but this has been overcome to some extent by retaining the services of certain employees beyond the normal retirement age. Up to date maintenance has not been seriously curtailed, and unless hostilities are unduly prolonged, it is not anticipated that there will be any great amount of deferred maintenance to be taken care of after the war is ended. The roadway and rolling stock are in condition to meet any exigencies which may arise.

All of which is respectfully submitted.

A. H. CAVANAGH,  
Chairman and General Manager.



**PROFIT AND LOSS ACCOUNT**

Balance at 31st, March, 1942.....	\$ 7,254,584.16
Profit from Operating for Year ended 31st March, 1943....	1,176,140.22
Unclaimed Vouchers.....	51.29
	<u>51.29</u>
	<u>\$ 8,430,775.67</u>

Retired Road and Equipment written off, after deducting salvage.....	\$ 20,509.23
Uncollectible Accounts.....	287.72
Balance of Surplus at 31st March, 1943.....	8,409,978.72
	<u>\$ 8,430,775.67</u>

PORT ARTHUR, ONTARIO, August 4th, 1943.

We have examined the above Balance Sheet and related Profit and Loss Account of Temiskaming and Northern Ontario Railway, and with reference to our Report of this date, in our opinion, the Balance Sheet is properly drawn up so as to exhibit a true and correct view of the position of the affairs of the Railway as at 31st March, 1943, according to the best of our information and the explanations furnished to us and as shown by the books.

(Signed) BLACK, HANSON & CO.,  
Chartered Accountants.

## COMPARATIVE INCOME STATEMENT

April 1, 1941 to March 31, 1943

	April 1, 1942, to March 31, 1943	April 1, 1941, to March 31, 1942
<b>Operating Income</b>		
Railway Operating Revenues	\$6,240,648.91	\$6,011,589.08
Railway Operating Expenses	4,682,531.11	4,280,876.09
Net Operating Revenue	\$1,558,117.80	\$1,730,712.99
<b>Non-Operating Income</b>		
Interest and Exchange	\$ 32,474.01	.....
Rent from all Other Equipment	48,867.38	30,528.70
Joint Facility Rent Income	24,740.28	24,614.37
Miscellaneous Income	181.00	2,765.25
	\$ 106,262.67	\$ 57,908.32
Gross Income	\$1,664,380.47	\$1,788,621.31
<b>Deductions from Gross Income</b>		
Hire of Freight Cars—Debit Balance	\$ 261,370.26	\$ 260,718.10
Joint Facility Rents	2,939.00	2,938.00
Interest on Funded Debt	221,006.64	225,840.00
Interest and Exchange	.....	4,768.78
Ore Royalties	.....	1,912.63
Miscellaneous Income Charges	2,924.35	1,746.65
	\$ 488,240.25	\$ 497,924.16
Net Income carried to Profit and Loss	\$1,176,140.22	\$1,290,697.15

## RAILWAY OPERATING REVENUES

	April 1, 1942, to March 31, 1943	April 1, 1941, to March 31, 1942
Freight	\$4,510,279.34	\$4,466,407.52
Passenger	998,128.04	808,021.05
Excess Baggage	3,612.67	4,447.44
Parlor and Chair Car	81.10	54.70
Mail	70,330.57	70,132.72
Express	120,581.34	141,071.22
Milk	8,085.46	4,791.15
Switching	12,787.35	15,656.65
Dining and Buffet	9,506.74	7,787.35
Hotel and Restaurant	70,664.99	58,070.32
Station, Train and Boat Privileges	664.50	477.25
Storage—Freight	1,102.64	1,269.99
Storage—Baggage	513.65	382.65
Demurrage	14,387.75	10,546.00
Telegraph	73,296.88	81,781.76
Telephone	246,447.76	251,907.00
Bus	60,715.78	51,245.54
Rents of Buildings and Other Property	35,751.31	33,407.26
Miscellaneous	3,979.02	4,442.34
Joint Facility—Dr	267.98	310.83
	\$6,240,648.91	\$6,011,589.08

## SUMMARY OF RAILWAY OPERATING EXPENSES

Maintenance of Way and Structures	\$1,001,258.82	\$ 884,871.02
Maintenance of Equipment	895,433.94	836,608.78
Traffic	38,549.55	24,391.42
Transportation	2,170,277.35	1,973,521.81
Miscellaneous Operation	317,322.59	309,506.04
General	259,688.86	251,977.02
	\$4,682,531.11	\$4,280,876.09
Ratio of Operating Expenses to Operating Revenue	75. %	71.2 %

**TEMISKAMING AND NORTHERN ONTARIO RAILWAY  
TRAFFIC AND MILEAGE STATISTICS**

**Passenger Traffic**

Number of passengers carried earning revenue . . . . .	428,824
Number of passengers carried one mile . . . . .	39,701,431
Number of passengers carried one mile per mile of road . . . . .	69,166
Average distance carried—miles . . . . .	92.58
Total passenger revenue . . . . .	\$998,128.04
Average amount received from each passenger . . . . .	\$2.33
Average Receipts per passenger per mile (cents) . . . . .	2.51
Total passenger service train revenue . . . . .	\$1,200,819.18
Passenger service train revenue per mile of road . . . . .	\$2,092.02
Passenger service train revenue per train mile . . . . .	\$2.11

**Freight Traffic**

Number of tons carried earning revenue . . . . .	1,994,491
Number of tons carried earning revenue one mile . . . . .	405,775,733
Number of tons carried earning revenue one mile per mile of road . . . . .	706,926
Average distance haul of one ton—miles . . . . .	203.45
Total freight revenue . . . . .	\$4,510,279.34
Average amount received for each ton . . . . .	\$2.26
Average amount received per ton per mile (cents) . . . . .	1.11
Freight revenue per mile of road . . . . .	\$7,857.63
Freight revenue per train mile . . . . .	\$5.62

**Total Traffic**

Operating Revenue . . . . .	\$6,240,648.91
Operating revenue per mile of road . . . . .	\$10,872.21
Operating revenue per train mile . . . . .	\$4.56
Operating Expenses . . . . .	\$4,682,531.11
Operating Expenses per mile of road . . . . .	\$8,157.72
Operating Expenses per train mile . . . . .	\$3.42
Net operating revenue . . . . .	\$1,558,117.80
Net operating revenue per mile of road . . . . .	\$2,714.49

**Car Mileage**

Average number of passengers carried one mile per car mile . . . . .	9.6
Average number of passengers carried one mile per train mile . . . . .	69.9
Average number of passenger cars per train mile . . . . .	7.0
Mileage of passenger cars . . . . .	4,142,068
Mileage of loaded freight cars . . . . .	15,438,721
Mileage of empty freight cars . . . . .	7,049,831
Average number of freight cars per train mile . . . . .	29.0
Average number of loaded freight cars per train mile . . . . .	19.2
Average number of empty freight cars per train mile . . . . .	8.8
Average number of tons of freight per train mile . . . . .	505.9
Average number of tons of freight per loaded car mile . . . . .	26.3
Average miles operated during the year . . . . .	574

**Train Mileage**

Mileage of Revenue Passenger Trains . . . . .	567,851
Mileage of Revenue Freight Trains . . . . .	802,134
Total Revenue Train Mileage . . . . .	1,369,985

**Miles of Track Operated at Close of Fiscal Year**

**March 31, 1943**

**MAIN LINE:**

North Bay to Timmins . . . . .	257.30	
Porquis to Cochrane . . . . .	28.10	
Cochrane to Moosonee . . . . .	186.20	
	<hr/>	471.60

**Miles of Track Operated at Close of Fiscal Year  
March 31, 1943—(Continued)**

BRANCH LINES:			
Earlton to Elk Lake		28.50	
Englehart to Charlton		7.60	
Porquois to Iroquois Falls		6.60	
Swastika to Noranda		59.70	
		102.40	
OTHER TRACKS:			
Yard Tracks and Sidings			122.10
PRIVATE SIDINGS OPERATED BY THE RAILWAY:			
Under Private Siding Agreements		25.00	
Owned by Private Companies		1.99	
		26.99	
SIDINGS OPERATED BY PRIVATE COMPANIES:			
Under Private Siding Agreement			9.23
			732.32

**DETAILS OF RAILWAY EQUIPMENT**

	March 31, 1942	Additions During Year	Retirements During Year	March 31, 1943
LOCOMOTIVES:				
Passenger-Freight	45	0	0	45
Switching	6	0	0	6
Total	51	0	0	51
FREIGHT EQUIPMENT:				
Box Cars	218	0	5	213
Flat Cars	239	0	11	228
Stock Cars	0	0	0	0
Cabooses	35	0	1	34
Gas Transport, Dump, Hart and Cinder Cars	155	1	16	140
Total	647	1	33	615
PASSENGER EQUIPMENT:				
First Class Cars	31	0	0	31
Second Class Cars	11	0	0	11
Combination Cars	6	0	0	6
Parlour Cafe and Restaurant Cars	3	0	0	3
Baggage and Express Cars	13	0	0	13
Diesel Power	1	0	0	1
Other cars in Passenger service	11	0	0	11
	76	0	0	76
WORK EQUIPMENT:				
Business Cars	3	0	0	3
All other cars in Railway's Service	137	9	2	144
	140	9	2	147

**DETAILS OF HIGHWAY SERVICE EQUIPMENT**

	March 31, 1942	Additions During Year	Retirements During Year	March 31, 1943
Buses	7	0	0	7
Trucks	1	0	0	1
	8	0	0	8







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